

## OVERVIEW

- Turkey ferrous: The scrap import price was flat on a lack of new bid/offer indications.
- Asia ferrous: Taiwanese containerised scrap price extended declines as sellers acceded to lower bids.
- US stainless: Most processors increased bids for both 304 and 316 scrap as LME nickel settled higher.
- US Al: Premiums for primary dipped as consumers adopted an end-of-year mentality earlier than usual.
- EU Al: Premiums fell back as offers dropped amid huge uncertainty over the market's near future.
- US Cu: Scrap spreads were mostly flat as tight supply counterbalanced weak demand.

## NEWS

- Nucor plate mill to fight imports: Cliffs CEO
- Eurofer revises down EU steel sector forecast
- Operational risks threaten Nor Nickel production
- Freeport 3Q Cu volumes up, revenues down
- LME WEEK: Chile closing in on royalty decision

## CONTENTS

Ferrous commentary	2
Ferrous Prices	6
Stainless/alloys commentary	10
Stainless/alloys prices	11
Non-ferrous commentary	13
Non-ferrous prices	15
News	19

## MARKETS

Key prices				
	Timing	Low	High	±
<b>Ferrous scrap</b>				
HMS 1/2 80:20 cfr Turkey, \$/t	26 Oct		357.50	nc
HMS 1/2 80:20 cfr Taiwan, \$/t	26 Oct		360.00	-3.00
#1 busheling del US south, \$/gt	Oct		362	-30.00
#1 busheling del US Midwest, \$/gt	21 Oct	338	365	nc
Shredded del US south, \$/gt	Oct		358	-30.00
#1 HMS del USEC export yard, \$/gt	25 Oct		278.00	-5.00
HMS 1/2 del NW Europe export yard €/t	25 Oct	305.00	320.00	-12.50
H2 fob Japan, \$/t	26 Oct		338.00	+3.00
<b>Steel feedstocks</b>				
Iron ore fines 62% cfr Qingdao, \$/dmt	26 Oct		87.25	-2.45
Pig iron cfr New Orleans, \$/t	20 Oct	550	555	nc
<b>Steel</b>				
Rebar fob Turkey \$/t	26 Oct		655.00	nc
HRC ex-works US Midwest \$/st	25 Oct		736	-1
HRC ex-works US south \$/st	25 Oct		736	-4
HRC ex-works NW Europe €/t	26 Oct		685	+15
US HRC/busheling spread \$/st	25 Oct		422	-1
<b>Stainless steel scrap</b>				
304 (18-8) solids del US processor \$/lb	26 Oct	0.44	0.47	+0.02
304 (18-8) solids cif Rotterdam €/t	13 Oct	1,200	1,250	+25
316 solids del US processor \$/lb	26 Oct	0.84	0.88	+0.02
316 solids cif India \$/lb	20 Oct	1.09	1.10	nc
LME nickel 3-month official \$/t	26 Oct	22,445	22,455	
<b>Aluminium prices</b>				
Scrap cans (UBCs) del US \$/lb	26 Oct	0.76	0.78	+0.02
P1020 US Midwest transaction \$/lb	26 Oct	1.2174	1.2276	+0.0316
6063 bare extrusion scrap del US \$/lb	25 Oct	0.98	1.00	-0.03
A380.1 secondary alloy del US \$/lb	20 Oct	1.45	1.48	nc
Twitch del US \$/lb	20 Oct	0.83	0.85	+0.05
Zorba 99/3 fas US west coast \$/lb	21 Oct	0.70	0.73	-0.01
Zorba 99/3 cif China \$/lb	21 Oct	0.77	0.78	nc
ADC12 cif Japan \$/t	20 Oct	2,100	2,180	nc
Taint/Tabor del European smelter €/t	20 Oct	1,300	1,350	+25
6063 extrusion in-warehouse Rotterdam \$/t	26 Oct	825	875	-25
LME aluminium cash official \$/t	26 Oct	2,265	2,266	
<b>Copper, brass prices</b>				
Bare bright del US \$/lb	26 Oct	3.45	3.48	+0.13
Bare bright chops del US \$/lb	26 Oct	3.46	3.49	+0.13
Bare bright cif Asia \$/lb	26 Oct	3.54	3.56	+0.18
#1 wire and tube del US \$/lb	26 Oct	3.39	3.42	+0.14
#2 scrap cif Asia ports \$/lb	26 Oct	3.28	3.38	+0.18
#2 scrap del Europe cash spread % of LME	26 Oct	3.17	3.24	+0.09
Cathode premium in-w'house Rotterdam \$/t	25 Oct	70	100	nc
Cathode grade A US transaction price \$/lb	26 Oct	3.72	3.74	+0.18
Brass scrap US C260 transaction price \$/lb	26 Oct	2.79	2.83	+0.10
LME copper cash official \$/t	26 Oct	7,762	7,763	nc
Comex copper cash official \$/lb	26 Oct		3.63	+0.18
<b>Minor metals \$/lb</b>				
Silicon 5-5-3 98.5% Si fob US warehouse	25 Oct	2.75	3.20	nc
Titanium 85% Ti non-tin turnings del US	20 Oct	1.05	1.15	nc
Titanium 6Al 4V aero turnings del US	20 Oct	4.25	4.85	nc
Tungsten carbide inserts fob US processor	30 Sep	10.25	10.75	-0.50

\*Tables include hyperlinks to those values maintained in the Argus database.

## FERROUS COMMENTARY

### Turkey scrap: Many sellers reluctant to go short

The Turkish scrap import price was flat on Wednesday on a lack of new bid/offer indications but market participants continued to state that the extent of any near-term price fall will be limited by the tightness of supply available to exporters.

The Argus daily HMS 1/2 80:20 cfr Turkey steel scrap assessment was flat at \$357.50/t cfr.

Taking a short position in November or December before the winter season is typically a difficult decision to make for a scrap exporter and that is more the case than ever this year because of a sharp fall in flows as the economic situation in most exporting regions has weakened in recent months.

Many sub-suppliers in Europe are short of material and some will stop selling completely by the beginning of December having secured strong profits in the first half of the year. A number of smaller European steel mills are cutting production in November and December but several large consumers in Germany and Italy showed demand for November scrap deliveries in the first half of this week.

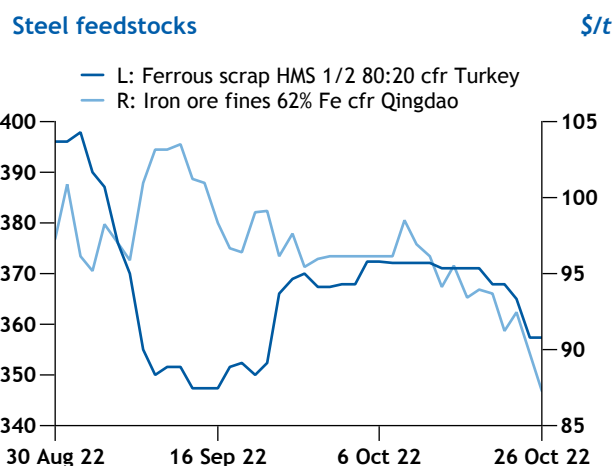
European scrap exporters are not holding large stocks and their demand for collection will remain strong in the first half of November because of the amount of business concluded to Turkey and south Asia for November shipment. Some sub-suppliers could decide to slow down trading for the rest of the year once they see exporters fulfil those collection needs, as they do not anticipate that better prices are achievable for the rest of 2022.

Two continental European suppliers and three US exporters have cargoes available for second half November shipment. US

suppliers look the most likely to entertain lower Turkish prices based on weak domestic demand in the US and fewer constraints on supply in that market.

Several exporters have said that even taking short positions for December is risky and they cannot move down to the price ideas of Turkish mills below \$350/t cfr for premium HMS 1/2 80:20. Two continental European exporters said they will have only one cargo available for December shipment for any overseas market. Both exporters have sold multiple cargoes to overseas markets in previous shipment months. One of those exporters may even push its availability back to beginning of January shipment.

Two continental European exporters said they received



#### Ferrous scrap short-sea trades (average composition price, cif Marmara)

Date	Volume, t	Price, \$	Shipment	Buyer	Seller	Composition	Index relevant
19-Oct	3,000	340	October	Eregli	Bulgaria	3k 80:20	Y
20-Oct	3,000	337	October	Marmara	Romania	3k 80:20	Y

#### Ferrous scrap deep-sea trades (average composition price, cfr Turkey)

Date	Volume, t	Price, \$	Shipment	Buyer	Seller	Composition	Index relevant
19-Oct	n/a	363	November	Izmir	USA	80:20, shred, bonus	Y

## FERROUS COMMENTARY

enquiries from India for December shipment this week, during the Diwali holiday period. No prices were discussed and it is not clear if the two exporters received an enquiry from the same mill or two different mills but it indicated that more trading with India will likely take place in November. Argus heard early this week that Indian bid indications fell to below \$400/t cfr for HMS 1/2 80:20 at the end of last week before the national holiday.

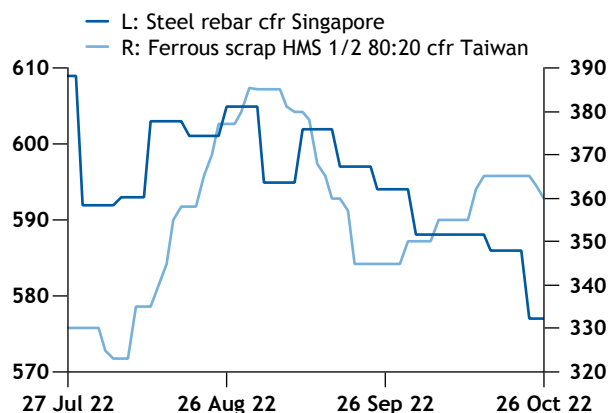
The weakness of the US dollar against the euro today and yesterday - after US economic data yesterday indicated that a less aggressive monetary tightening policy will be employed by the US Federal Reserve in December - also limited the extent to which scrap import prices can come under downward pressure. As of 15:30 GMT, the US dollar had fallen by 1.9pc against the euro since 12:30 GMT yesterday.

The limitations on scope for scrap prices to fall present a challenge for Turkish steelmakers who will likely receive local rebar demand at even worse levels in November and December than they did in September and October. Turkish mills will likely succeed in pressuring prices below current levels but supply side and steel demand fundamentals mean their margins could be further squeezed as they head into winter.

The Argus daily HMS 1/2 80:20 cif Turkey (short-sea) steel scrap assessment was flat at \$332.50/t on Wednesday.

### Asia ferrous scrap vs rebar

\$/lb



### Asia scrap: Price slips on bearish fundamentals

The Taiwanese containerised scrap price extended declines to-

day as sellers acceded to lower bids in anticipation of further price falls.

The Argus daily containerised HMS 1/2 80:20 cfr Taiwan assessment fell by \$3/t from yesterday to \$360/t.

Spot trades were heard concluded at \$360/t today. Firm bids were withdrawn post trades, as local mills expect prices to fall again this week.

Some buyers said a strong US dollar has dampened procurement appetite for seaborne scrap and many buyers will turn their focus to domestic scrap. The new Taiwanese dollar was trading at NT\$32.18 to the US dollar at 10:00 GMT.

"There is little urgency at our end. We have more than two months' worth of scrap inventory, and I think we're covered until January," a buyer said.

Market sentiment was further dented as demand for finished and semi-finished steel products failed to pick up – even after the end of the summer electricity restrictions. Some buyers said construction activities slowed considerably in recent months because of high inflation and interest rates. Some buyers said their bid indications would probably be below \$350/t if they were to buy any spot cargoes.

Some sellers acceded to lower bids today as they anticipate lower prices.

"There is hardly any demand for scrap now. We have been putting out offers, but no buyers have come back with a bid," a trader said today.

No offers for Japanese H1/H2 50:50 were heard today.

### Vietnam and South Korea

Vietnamese domestic scrap prices dipped further on underwhelming steel demand – 1-3mm thickness scrap prices in south Vietnam fell by 200 dong/kg (\$8/t) to \$338-345/t delivered to mill.

The continuing depreciation of the dong, coupled with a downbeat steel market, made imported scrap even less attractive to steelmakers. "I don't have any negotiations going on," a Vietnamese trader said.

South Korean buyers showed no interest in Japanese scrap either, as steel demand is not strong enough to support higher scrap prices.

### Spain ferrous: Strong competition lifts prices

Spanish short-sea import prices narrowed higher over the past week as some mills agreed to pay suppliers' offer levels in an

## FERROUS COMMENTARY

attempt to fence off competition from short-sea scrap buyers in other regions.

The *Argus* weekly assessment for HMS 1/2 cif northern Spain narrowed to €355-360/t today from €350-360/t on 19 October.

Assessments for shred and Oa-grade P&S were both unchanged at €380-390/t cif northern Spain.

Trades were heard concluded at €355-360/t cif Spain for HMS 1/2 and €380/t cif Spain for shred in the second half of last week. These prices were above Spanish mills' bid indications in mid-October.

Several Spanish mills were willing to pay above their bid indications last week as most suppliers considered Spanish bid levels unworkable given that buyers from other regions such as Morocco and Turkey were willing to pay higher prices.

"There was not a lot of material available to Spain in the past few weeks because Spanish mills' prices were not competitive at all compared to other buyers in the market," one trader said.

An increase in domestic scrap prices in some Spanish regions over the past week also helped to drive some mills to raise seaborne workable levels, another trader said. Some mills in southern Spain were heard willing to pay as high as €395-400/t for shred last week.

But the market became less active this week as deep-sea scrap prices came under increased pressure. And some market participants added that they are unsure if mills will still be willing to pay these prices once they have procured sufficient volumes for their immediate needs.

"Afterall, this increase in demand and prices may be very short-lived," the second trader said.

The *Argus* daily assessment for premium HMS 1/2 80:20 cfr Turkey was \$357.50/t today, down \$10.50/t on the week.

### Japan scrap: Market inactive

Japanese scrap sellers held back offers on Wednesday on a strengthening yen and persistently limited H2 supply in the domestic market. The *Argus* daily assessment for H2 scrap fob Japan was flat at ¥49,900/t.

The yen displayed volatile movement as it strengthened against the US dollar, pushing some traders to step back from the scrap market for risk management purposes. The currency rose to ¥147:\$1 today from over ¥151:\$1 on 21 October.

The H2 collection price at Tokyo Bay increased by ¥500/t

from Monday to ¥50,500-51,000/t today, while HS and shindachi prices were steady at ¥52,000-53,000/t and ¥51,000-51,500/t, respectively.

"Now the H2 price is almost at the same level as shindachi, which is very rare in my experience. You can tell how tight the H2 flow is," a Japanese trader said.

Japanese steelmakers in the Kansai region paid around ¥51,000/t for H2 grade today, even higher than Kanto mills. Kanto and Kansai exporters had to offer ¥52,000/t fob for H2 based on their dockside and domestic prices. Some more competitive offers at around ¥50,000/t fob were likely to have come from Kyushu or Hokkaido where scrap consumption by domestic mills is lower at present.

Overseas buyers were not giving price ideas to Japanese traders as the seaborne ferrous complex was much weaker relative to Japan's own internal dynamics. "South Korea, Taiwan, and Vietnamese mills are all not buying," a Vietnamese scrap buyer said. "I don't think Tokyo Steel can keep its price unchanged after they see Turkish scrap and Asian steel markets edge down further."

### Turkey rebar: Less aggressive offers from producers

Turkish steel rebar producers were far less aggressive with offer levels today because scrap suppliers continued resisting a sharp decrease in prices for November.

The resistance from scrap exporters and the lack of availability is not good news for Turkish steelmakers, which will be likely to receive local rebar demand at even worse levels in November and December than they did in September and October. The downward pressure they are putting on scrap import prices now is likely to succeed in bringing prices below today's levels but looking at the supply side fundamentals and the steel demand fundamentals it appears that their margins could again be further squeezed going into the winter season.

There was no change in the US dollar-equivalent offer levels that Turkish producers offered to traders today. An Izmir mill continued to offer at the equivalent of \$655/t ex-works excluding VAT. Iskenderun mills offered in a range of \$655-670/t ex-works excluding VAT. Two Marmara mills offered in a range of \$670-675/t ex-works excluding VAT.

Traders offered to end-users at around \$5/t lower than producers' levels in each region.

The lack of overseas demand means there is no chance to purchase any substantial volumes of imported billet. Any im-

## FERROUS COMMENTARY

ported billet must be exported as finished product in order to avoid taxes, so mills will have to succumb to buying imported scrap.

The Argus daily fob Turkey steel rebar assessment stood flat at \$655/t fob on actual weight basis today.

### Asia-Pacific flats: Seaborne buyers absent

Asia-Pacific seaborne coil prices slipped further on soft demand, while China's domestic market was flat.

#### Coil

The fob China hot-rolled coil (HRC) index fell by \$2/t to \$532/t. Major Chinese mills lowered offers to \$540-550/t fob China for SS400 HRC and some were willing to take orders at \$530/t fob China, participants said. Some Chinese SS400 HRC was sold at \$550/t cfr Pakistan last week, but that level was no longer available this week given the drop in market. The highest acceptable level from Pakistan may be around \$540/t cfr, netting back to around \$510/t fob China, a participant said. South Korean buyers were willing to buy at \$525/t cfr for SS400 HRC, netting back to around \$507/t fob China. But that level was too low to be accepted by sellers. Demand in Vietnam was weak, and some traders failed to induce buying at \$510/t cfr Vietnam. Only those customers with immediate needs would consider to buy, a Vietnam-based trader said.

The Asean HRC index decreased by \$1/t to \$554/t. Vietnamese buyers expressed no buying interest for SAE1006-grade coil at \$560/t cfr Vietnam from Japan and \$545/t cfr Vietnam from China. Local buyers expect a further price fall soon given soft downstream steel demand and currency depreciation. No one cares about what levels offers are currently as nobody is willing to buy, an international trading firm manager said.

Shanghai mainstream HRC ex-warehouse prices were flat at 3,780 yuan/t (\$526/t). January HRC futures rose by 0.08pc to Yn3,627/t. Traders were bearish and were looking to destock as much as possible to reduce risks. Many parts of China were still under Covid-19 lockdowns, dampening market sentiment further. Steel mills were now in losses of Yn350/t for HRC, an eastern China trader said. Market trend would mostly depend on mills' production cuts, the trader added.

### Asia-Pacific longs: China stable, seaborne drop

Asia-Pacific seaborne long steel prices remained in a downward trend with mills and traders cutting prices because of weak demand.

Chinese domestic rebar prices stabilised as trade improved and mills reduced output.

#### Rebar

Shanghai mainstream rebar prices were unchanged at 3,770yuan/t (\$525/t). January rebar futures fell by Yn3/t to Yn3,580/t. Traders kept their offers at Yn3,750-3,800/t with trade picking up from 25 October. Rebar trade in major domestic cities rose by 13,000t day on day to 157,000t, market participants said. Over 10 east China mills cut rebar ex-works prices by Yn10-40/t. Several mills in Shanxi province shut down 30-50pc of their blast furnaces due to losses.

The fob China rebar index fell by \$5/t to \$553/t fob theoretical weight. An east China mill cut rebar export offer by \$10/t to \$570/t fob theoretical weight. A north China mill cut rebar offer to \$550/t fob theoretical weight for November and December shipment. "Rebar offers higher than \$550/t fob will not attract any booking interest for the time being," an east China trader said. Most buyers are still waiting for clear signals that prices have bottomed out.

#### Wire rod & billet

The Chinese wire rod export price fell by \$6/t to 545/t fob. Major north China mills kept wire rod export offers at \$560/t fob for December shipment and they were willing to accept orders at \$550/t fob. Some traders are short selling wire rod with offers at \$530/t fob. Some participants said that lower offers may also be excluding taxes. All Chinese steel export prices must include 13pc value-added tax.

Tangshan billet ex-works prices were unchanged at Yn3,580/t. Chinese billet offers were heard at \$510-520/t cfr southeast Asia. Local billet transaction prices stood at \$505-510/t. Overall billet prices were in a downward trend with Indonesian billet offers heard at \$500/t fob for December shipment.

## FERROUS PRICES

Turkey					Asia							
	Timing	Price	\$/t ±			Timing	Price	\$/t ±				
HMS 1/2 80:20 cfr Turkey	26 Oct	357.50	nc		HMS 1/2 80:20 containerised cfr Taiwan \$/t	26 Oct	360.00	-3.00				
HMS 1/2 80:20 short-sea cif Turkey	26 Oct	332.50	nc		#3 HMS del east China Shagang mill inc VAT CNY/t	26 Oct	2,810.00	nc				
Differentials to 80:20 cfr Turkey					H2 fob Japan \$/t	26 Oct	338.00	+3.00				
75:25	26 Oct	-3.00	nc		H2 fob Japan ¥/t	26 Oct	49,900	nc				
85:15	26 Oct	1.50	nc		HS fob Japan \$/t	21 Oct	357.00	-7.00				
90:10	26 Oct	5.00	nc		HS fob Japan ¥/t	21 Oct	53,500	nc				
Shredded	26 Oct	20.00	nc		HMS 1/2 (80:20), cfr Vietnam	21 Oct	395	nc				
P&S	26 Oct	10.00	nc		Shredded containerised cfr Nhava Sheva India \$/t	21 Oct	450.00	-5.00				
Bonus	26 Oct	20.00	nc		Shredded containerised cfr Pakistan \$/t	21 Oct	447.50	-2.50				
Bundles	26 Oct	25.00	nc		Shredded containerised cfr Bangladesh \$/t	21 Oct	475.00	nc				
Busheling	26 Oct	25.00	nc		Japan Tokyo Steel purchase prices \$/t							
#1 HMS	26 Oct	9.00	nc		H2 del Tahara plant	26 Oct	318.38	+2.59				
New cutting	26 Oct	25.00	nc		Shindachi Bara del Tahara plant	26 Oct	338.70	+2.75				
					Shredded A del Tahara plant	26 Oct	338.70	+2.75				
					H2 del Utsunomiya plant	26 Oct	328.54	+2.67				
					Shindachi Bara del Utsunomiya plant	26 Oct	348.86	+2.83				
					Shredded A del Utsunomiya plant	26 Oct	342.09	+2.78				
					H1 to H2 differential	26 Oct	10.16	+0.08				
					Shredded C to Shredded A differential	26 Oct	3.39	+0.03				
US bulk export					Europe/Russia							
	Timing	Low	High	±		Timing	Low	High	±			
US east coast bulk (fob New York daily)					HMS 1/2 75:25 fob Rotterdam							
HMS 1/2 (80:20) bulk export	26 Oct	330	331	nc	Rotterdam 80:20 diff to 75:25	26 Oct	324.00		nc			
Shredded bulk export	26 Oct	350	351	nc	Shredded fob Rotterdam (daily)	26 Oct	3.00		nc			
P&S 5ft bulk export	26 Oct	340	341	nc	HMS 1/2 cif northern Spain €/t	26 Oct	347.00		nc			
US Gulf Coast bulk (fob Houston daily)					A3 fca central Euro/Russia mills \$/t							
HMS 1/2 (80:20) bulk export	26 Oct	328	328	nc	A3 fca central Euro/Russian mills	20 Oct	357.50		+2.50			
Shredded bulk export	26 Oct	338	338	nc	Shredded cif northern Spain €/t	26 Oct	385.00		nc			
P&S 5ft bulk export	26 Oct	338	338	nc	OA P&S cif northern Spain €/t	26 Oct	385.00		nc			
US west coast bulk (fob Los Angeles weekly)					A3 fca central Euro/Russia mills \$/t							
HMS 1/2 (80:20) bulk export	21 Oct	355	360	nc	A3 fca central Euro/Russian mills	20 Oct	333.74		+10.95			
Shredded bulk export	21 Oct	365	370	nc	Rbs/t	20 Oct	20,555.00		-25.00			
P&S 5ft bulk export	21 Oct	365	370	nc	A3 fca Urals mills \$/t	20 Oct	336.42		+11.43			
					A3 fca Urals mills Rbs/t							
					20 Oct							
					20,720.00							
					nc							
Ferrous scrap freight												
	Timing	Low	High	±		Timing	Low	High	±			
Bulk (weekly)					Bulk export Los Angeles-South Korea (weekly)							
Bulk export Los Angeles-South Korea (weekly)	21 Oct	40	45	nc	Bulk export New York-Turkey (weekly)	21 Oct	27	28	+3			
Bulk export New York-Turkey (weekly)	21 Oct	27	28	+3	Bulk export Houston-Turkey (weekly)	21 Oct	29	30	+3			
Bulk export Houston-Turkey (weekly)	21 Oct	29	30	+3	Bulk export ARA-Turkey (weekly)	21 Oct	20	21	+2			
Bulk export ARA-Turkey (weekly)	21 Oct	20	21	+2	Bulk export Japan-China (weekly)	21 Oct	50	52	nc			
Bulk export Japan-China (weekly)	21 Oct	50	52	nc	Containerized (monthly)							
					Containerised export New York-Mumbai (monthly)							
Containerised export New York-Mumbai (monthly)	30 Sep	40	45	-2	Containerised export Los Angeles-Taiwan (monthly)	30 Sep	25	28	-1			
Containerised export Los Angeles-Taiwan (monthly)	30 Sep	25	28	-1	Containerised export San Francisco-Taiwan (monthly)	30 Sep	40	45	-5			
Containerised export San Francisco-Taiwan (monthly)	30 Sep	40	45	-5	Containerised export Seattle-Taiwan (monthly)	30 Sep	51	56	-1			
Containerised export Seattle-Taiwan (monthly)	30 Sep	51	56	-1								
US containerized export, fas port												
	New York, 21 Oct			Los Angeles, 21 Oct			San Francisco, 21 Oct			Seattle, 21 Oct		
	Low	High	±	Low	High	±	Low	High	±	Low	High	±
HMS 1/2 (80:20)	350	355	-2	325	335	nc	315	325	nc	305	315	nc
Shredded	390	395	-2	355	365	nc	345	355	nc	340	350	nc
P&S, 5ft	390	395	-2	350	360	nc	345	355	nc	340	350	nc
#1 busheling				360	370	nc						
Europe containerized export, ex-works												
	UK (£/t), 21 Oct			Northwest Europe (3/t), 21 Oct								
	Low	High	±	Low	High	±	Low	High	±			
Shredded	320	325	-5	335	340	nc	285	290	nc			
Turnings												



## FERROUS PRICES

US export yard buying prices													\$/gt
	Timing	#1 Busheling			#1 HMS			P&S, 5ft			Shredder feed		
		Low	High	±	Low	High	±	Low	High	±	Low	High	±
Albany	25 Oct				300	310	nc	310	320	nc	230	240	nc
Boston	25 Oct				250	260	-5	260	270	-5	140	150	nc
New York	25 Oct				265	275	-10	275	285	-10	185	200	nc
Philadelphia	25 Oct				275	285	-5	285	295	-5	200	215	nc
East coast average	25 Oct					278	-5		288	-5		195	nc
Houston	25 Oct				240	250	-20	290	290	-18	220	225	nc
Los Angeles	25 Oct	285	290	nc	255	260	nc	275	280	nc	175	180	nc
San Francisco	25 Oct				290	300	nc	300	310	nc	160	170	nc
Seattle/Portland	25 Oct				290	300	nc	300	310	nc	185	200	nc

Europe/Russia export yard buying prices													
	Timing	Low	High	±	Low	High	±	Low	High	±	Low	High	±
UK £/t					HMS 1/2			OA/P&S			5A/5C/Shredder feed		
UK north	25 Oct	230	235	-15	260	270	-15	180	190	-10			
UK south	25 Oct	230	240	-12	260	270	-15	180	190	-10			
Europe €/t					HMS 1/2			Bonus			#1 HMS		
Amsterdam Rotterdam Antwerp Ghent	25 Oct	305	320	-12	315	330	-12	310	325	-12			
Russia					A3			A3B					
St. Petersburg \$/t	25 Oct	278	286	+1	286	302	+3						
St. Petersburg RUB/t	25 Oct	17,000	17,500	-100	17,500	18,500	nc						

Germany domestic delivered mill																€/t
	Northwest, 14 Oct			Central, 14 Oct			East, 14 Oct			South, 14 Oct			National average, 14 Oct			
	Low	High	±	Low	High	±	Low	High	±	Low	High	±	Low	High	±	
E1	291.78	301.78	nc	308.25	318.25	+10.00	280.00	290.00	+9.25	290.00	300.00	nc	292.51	302.51	+4.81	
E2	355.00	365.00	-26.21	365.00	375.00	-12.50	310.00	320.00	nc	310.00	320.00	-10.00	335.00	345.00	-12.18	
E3	334.06	344.06	nc	320.96	330.96	+10.00	300.00	310.00	+9.14	315.00	325.00	nc	317.51	327.51	+4.79	
E40	345.29	355.29	nc	354.55	364.55	+8.00	302.00	312.00	nc	330.00	340.00	nc	332.96	342.96	+2.00	
E5	265.40	275.40	nc	279.25	289.25	+10.00	230.00	240.00	+12.83	255.00	265.00	nc	257.41	267.41	+5.70	
E8	355.00	365.00	-6.14	365.00	375.00	-27.00	315.00	325.00	nc	310.00	320.00	-10.00	336.25	346.25	-10.79	

UK domestic delivered mill					£/t
	Timing	Low	High	±	
1/2 Old Steel	Oct	255	275	10	
OA	Oct	280	300	10	
3B	Oct	290	310	10	
4A	Oct	410	450	10	
4C	Oct	390	430	10	
8A	Oct	380	390	10	
8B	Oct	375	385	10	
12 A/C	Oct	395	405	10	
12D	Oct	390	400	10	

Spain domestic delivered mill					€/t
	Timing	Low	High	±	
E1	Oct	320	335	12	
E3	Oct	340	355	8	
E40	Oct	350	365	2	

Italy domestic delivered mill					€/t
	Timing	Low	High	±	
E8	Oct	340	350	5	
E3	Oct	320	330	12	
E40	Oct	340	350	15	

## Ferrous unit glossary

t = metric tonne

gt = gross ton

st = short ton

## FERROUS PRICES

US monthly ferrous scrap prices delivered mill												\$/gt		
	#1 busheling	±	#1 bundles	±	Shredded	±	P&S, 5ft	±	#1 HMS	±	Machine shop turnings	±	Tin can bundles	±
NE Arkansas, Oct	375	-30			355	-30	330	-10	300	-10	160	nc		
Birmingham , Oct	365	-30			370	-30	360	-10	340	-10	170	nc		
Carolinas, Oct	340	-30			345	-30	340	-10	320	-10	145	nc		
Chicago , Oct	365	-30	365	-30	365	-30	355	-5	295	-10	125	nc		
Cincinnati/Indianapolis, Oct	338	-30	338	-30	350	-30	315	-10	285	-10	110	nc		
Cleveland/Youngstown, Oct	380	-40	380	-40	380	-20	365	nc	340	nc	160	nc	325	nc
Detroit , Oct	350	-40	345	-40	390	-20	340	nc	300	nc	130	nc	280	nc
Philadelphia , Oct	340	-10	340	-10	400	nc	320	nc	310	nc	170	nc		
Pittsburgh , Oct	355	-35			380	-20	360	nc	325	+5	160	nc	315	nc
Quad Cities, Oct	360	-15			355	-20	340	-10	280	-10	130	nc		
Texas, Oct	355	-30			365	-30	300	nc	275	nc	175	nc		
National average	357		354		369		339		306		149		307	

US monthly dealer selling prices fob												
	#1 busheling	±	#1 bundles	±	Shredded	±	P&S, 5ft	±	#1 HMS	±	Machine shop turnings	±
Buffalo, Oct	340	-40	340	-40	350	-30	355	nc	300	nc	120	nc
Denver, Oct	365	-20	353	-20	300	nc	255	nc	235	nc		
Houston, Oct	295	-30			305	-30	275	nc	210	nc	115	nc
St. Louis, Oct	350	-30	350	-30	345	-30	305	-10	275	-10.00	135	nc

US mill prices by region (weekly)										\$/gt	
	Eastern, 21 Oct			Midwest, 21 Oct			Southeast, 21 Oct			±	
	Low	High	±	Low	High	±	Low	High			
#1 HMS	310	340	nc	285	300	nc	320	340	nc		
Shredded	380	400	nc	350	390	nc	345	370	nc		
P&S, 5ft	320	365	nc	315	355	nc	340	360	nc		
#1 busheling	340	380	nc	338	365	nc	340	365	nc		

Canada monthly ferrous scrap prices delivered mill													C\$/st			
October 2022	#1 busheling	±	#1 bundles	±	Shredded	±	P&S, 5ft	±	#1 HMS	±	Machine shop turnings	±	Shredder feed	±	P&S, 2ft	±
Montreal	305	-20					320	+10	280	+10	155	+10	250	nc	390	+10
Toronto/Hamilton	436	-24	438	-24	460	nc	435	+5	385	+5	226	+5				

US monthly foundry scrap delivered consumer				\$/gt	
	Timing	Price	±		
Chicago					
Black/foundry busheling	10 Oct	430	-30		
Clean auto cast	10 Oct	445	-10		
Clean fresh cast iron borings	10 Oct	120	nc		
Ductile-quality shredded clips	10 Oct	415	-30		
Low-alloy punchings	10 Oct	440	-30		
#1 machine cast	10 Oct	335	-10		
P&S, 2ft	10 Oct	425	-10		
Cleveland					
Clean auto cast	11 Oct	450	-20		
Philadelphia					
Black/foundry busheling	11 Oct	465	-10		
P&S, 2ft	11 Oct	390	nc		

Southern US ferrous scrap weighted averages				\$/gt	
	Timing	Price	±		
#1 busheling	10 Oct	362	-30		
Shredded	10 Oct	358	-30		



## FERROUS PRICES

US ferrous yard collection prices (fortnightly)															\$/gt	
	Timing	Midwest			Northeast			Ohio Valley			Southeast			Texas		±
		Low	High	±	Low	High	±	Low	High	±	Low	High	±	Low	High	
Prepared #1 HMS	21 Oct	189	199	+3	165	175	nc	202	212	+12	164	174	-11	164	174	nc
Light iron/shred	21 Oct	125	135	+2	112	122	nc	145	155	+14	105	115	nc	132	142	nc
Complete cars	21 Oct	149	159	-1	151	161	nc	160	170	+11	149	159	-3	160	170	nc
Cast iron	21 Oct	166	176	+3	182	192	+9	190	200	+11	159	169	-3	167	177	nc

Canada ferrous yard collection prices (fortnightly)								CAD/st
	Timing	Ontario			Quebec			±
		Low	High	±	Low	High	±	
Prepared #1 HMS	21 Oct	272	282	-10	147	157	+2	
Light iron/shred	21 Oct	235	245	-9	126	136	+1	
Complete cars	21 Oct	249	259	-10	136	146	+8	
Cast iron	21 Oct	295	305	-4	136	146	+8	

Finished steel prices			
	Timing	Price	±
<b>US \$/st</b>			
HRC ex-works US Midwest	25 Oct	736	-1
HRC ex-works US south	25 Oct	736	-4
US Midwest HRC-#1 busheling spread	25 Oct	422	-1
HRC ddp Houston import \$/st	25 Oct	700	+15
CRC ex-works US \$/st	25 Oct	930	-78
HDG coil ex-works US \$/st	25 Oct	925	-64
Plate del US \$/st	25 Oct	1,661	+1
Plate ex-works \$/st	25 Oct	1,618	-2
Rebar ex-works Midwest \$/st	21 Oct	975-1,000	nc
Rebar ddp import Houston \$/st	21 Oct	950-950	nc
<b>Turkey/Black Sea \$/t</b>			
Rebar fob Turkey	26 Oct	655.00	nc
Rebar ex-works Turkey (inc. VAT)	20 Oct	795.84	-16.41
Rebar ex-works Turkey (inc. VAT) TRY/t	20 Oct	14,800	-300
Wire rod fob Black Sea	20 Oct	585.00	-5.00
HRC fob Black Sea	21 Oct	570.00	-5.00
<b>Asia \$/t</b>			
HRC cfr Vietnam	26 Oct	554.00	-1.00
HRC fob China	26 Oct	532.00	-2.00
Rebar fob China	26 Oct	553.00	-5.00
Wire rod export fob China	26 Oct	545.00	-6.00
Rebar cfr Singapore	21 Oct	577.00	-9.00
HRC ex-works India Rs/t	21 Oct	56,500.00	-500.00
<b>Europe €/t</b>			
HRC ex-works Northwest Europe	26 Oct	685	+15
HRC ex-works Italy	26 Oct	665	-5
HRC ex-works Northwest Europe \$/t	26 Oct	687	+26

Steel lead times				Weeks
	Timing	Weeks	Prior	
HRC ex-works US lead time	25 Oct	3-4	3-4	
CRC ex-works US lead time	25 Oct	6-6	6-6	
HDG coil ex-works US lead time	25 Oct	6-6	5-6	
Plate delivered US lead time	25 Oct	4-4	4-4	

Steel billet			
	Timing	Price	±
fob Black Sea \$/t	26 Oct	515.00	nc
Tangshan ex works inc VAT Yn/t	26 Oct	3,580	nc

Steel feedstock prices				\$/t
	Timing	Price	±	
Iron ore fines 62% (ICX) cfr Qingdao	26 Oct	87.25	-2.45	
<b>Basic pig iron</b>				
ex-works China domestic inc VAT Yn/t	21 Oct	3,120-3,220	-30	
Russia fob Black Sea	20 Oct	na	na	
Ukraine fob Black Sea	20 Oct	na	na	
fob northern Brazil	20 Oct	510-530	nc	
fob southern Brazil	20 Oct	500-510	nc	
cfr New Orleans	20 Oct	550-555	nc	
<b>Nodular pig iron</b>				
cfr New Orleans	20 Oct	745-795	nc	

## STAINLESS/ALLOYS COMMENTARY

### US stainless: Scrap prices rises with Ni

Most processors increased bids on Wednesday for both 304 and 316 stainless steel scrap as LME nickel settled to its highest close since 7 October.

Argus assessed daily single truckloads of 304 stainless steel scrap solids at 44-47¢/lb, up from 43-45¢/lb, and 304 turnings at 39-42¢/lb, up from 38-40¢/lb the prior assessment.

Scrap markets moved higher because of LME nickel, but there's still no consumer demand, one source said.

Consumer demand is not expected to recover until the first quarter of the new year. Although most processors have excess inventory and likely covered through January, but some are still buying consistently to keep scrap flows moving into their yards.

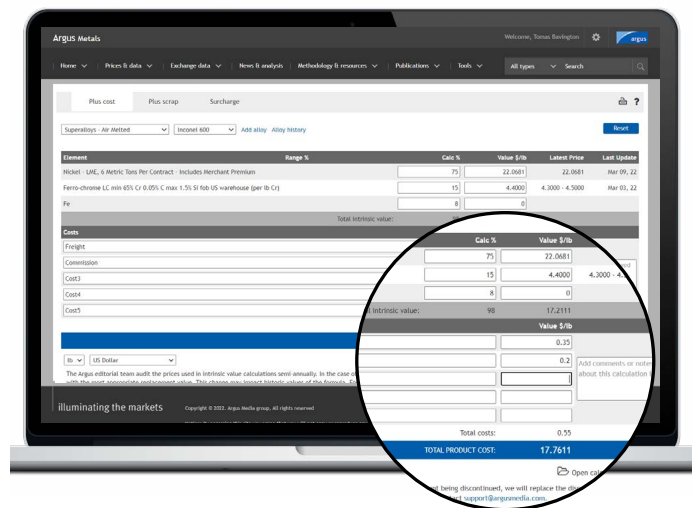
Processor buying prices for single loads of 316 stainless scrap solids increased to 84-88¢/lb, from 82-86¢/lb, with 316 turnings at 74-78¢/lb, up from 72-76¢/lb.

Argus weekly assessed west coast 304 stainless steel solids delivered yard prices at 55-57¢/lb, up from 49-51¢/lb, while 304 stainless solids fas west coast price was assessed at 57-59¢/lb, up from 50-52¢/lb last week. Inquires in the latest week have increase substantially, sources said.

The three-month LME nickel contract closed the official session up by 1.7pc to \$22,455/t on Wednesday, from 22,075/t the prior close. The nickel cash official closed at \$22,255/t (\$10.09/lb).

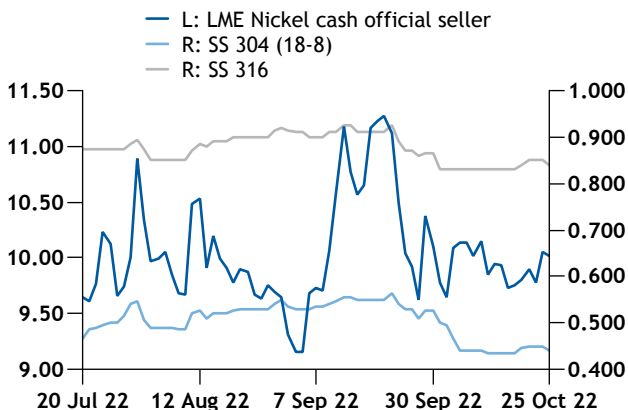
## Argus Alloy Calculator

Calculate the indicative cost of alloys before finished costs



### US stainless steel scrap

\$/lb



Calculate the indicative cost of alloys



Create calculations using the Argus database of over 1300 price assessments and exchange prices as the basis



Dedicated support team

**Demo the Alloy Calculator »**

## STAINLESS/ALLOYS PRICES

Stainless steel scrap prices				
	Timing	Low	High	±
<b>del US processor (daily)</b>				
304 (18-8) solids \$/lb	26 Oct	0.44	0.47	+0.02
304 (18-8) turnings \$/lb	26 Oct	0.39	0.42	+0.02
316 solids \$/lb	26 Oct	0.84	0.88	+0.02
316 turnings \$/lb	26 Oct	0.74	0.78	+0.02
<b>del US processor (weekly)</b>				
17-4 solids \$/lb	20 Oct	0.18	0.20	nc
17-4 turnings \$/lb	20 Oct	0.12	0.15	nc
201 solids \$/lb	25 Oct	0.19	0.25	nc
301 solids \$/lb	25 Oct	0.30	0.36	+0.01
309 solids \$/lb	25 Oct	0.88	0.92	nc
310 solids \$/lb	25 Oct	1.25	1.40	+0.02
330 solids \$/lb	25 Oct	2.25	2.35	nc
409/410 solids \$/gt	20 Oct	336	358	nc
409/410 turnings \$/gt	20 Oct	246	269	nc
430 scrap solids \$/gt	20 Oct	426	448	nc
430 scrap turnings \$/gt	20 Oct	358	381	nc
<b>US west coast \$/lb (weekly)</b>				
304 (18-8) solids del processor	26 Oct	0.55	0.57	+0.06
304 (18-8) solids US west coast fas	26 Oct	0.57	0.59	+0.07
<b>del US consumer \$/lb (monthly)</b>				
Chrome contained in 304/316 solids	14 Oct	1.10	1.18	-0.11
Iron contained in 304/316 solids	14 Oct	0.14	0.15	-0.01
Molybdenum contained in 316 solids	14 Oct	13.50	13.85	+1.55
Nickel contained in 304/316 solids %	14 Oct	47	48	-1.50
<b>Europe (weekly) \$/lb</b>				
304 (18-8) solids cif Rotterdam	13 Oct	0.532	0.554	+0.008
304 (18-8) solids cif Rotterdam €/t	13 Oct	1,200	1,250	+25.0
316 solids cif Rotterdam	13 Oct	0.842	0.864	-0.005
316 solids cif Rotterdam €/t	13 Oct	1,900	1,950	nc
<b>Asia Pacific (weekly) \$/lb</b>				
304 (18-8) solids cif Taiwan	20 Oct	0.59	0.61	nc
304 (18-8) solids cif Japan	20 Oct	0.54	0.55	nc
304 (18-8) solids cif South Korea	20 Oct	0.60	0.62	nc
304 (18-8) solids cif India	20 Oct	0.60	0.61	nc
316 solids cif Taiwan	20 Oct	1.03	1.05	nc
316 solids cif Japan	20 Oct	0.99	1.00	nc
316 solids cif South Korea	20 Oct	1.01	1.03	nc
316 solids cif India	20 Oct	1.09	1.10	nc

Nickel premiums and scrap				
	Timing	Low	High	±
<b>US \$/lb</b>				
1x1 inch premium (truckloads) del	20 Oct	1.75	2.00	nc
4x4 inch premium (truckloads) del	20 Oct	1.40	1.50	nc
4x4 inch premium (truckloads) del US transaction	26 Oct	11.4947	11.5947	0.0816
Nickel 200 scrap del US processor	20 Oct	8.32	9.15	+0.09
<b>Europe</b>				
Nickel cathode 4x4inch premium in-warehouse Rotterdam \$/t	20 Oct	750.00	1300.00	-112.50
Nickel cathode full plate premium in-warehouse Rotterdam \$/t	20 Oct	200.00	350.00	-75.00
Nickel briquette premium in-warehouse Rotterdam \$/t	20 Oct	800.00	900.00	-50.00
Nickel cathode full plate in-warehouse Rotterdam transaction	26 Oct	22450.00	22605.00	+180.00
Nickel cathode 4x4 in-warehouse Rotterdam transaction	26 Oct	23000.00	23555.00	+180.00
Nickel briquette in-warehouse Rotterdam transaction	26 Oct	23050.00	23155.00	+180.00
<b>Asia</b>				
Nickel cathode full plate cif Shanghai	20 Oct	300.00	350.00	nc

Stainless steel bar ex-works US (monthly) \$/lb				
	Timing	Low	High	±
303 surcharge	Oct 22	1.1781	1.1781	-0.0014
304 surcharge	Oct 22	1.1604	1.1604	-0.0014
316 surcharge	Oct 22	1.6166	1.6166	+0.0322
416 surcharge	Oct 22	0.3671	0.3671	-0.0084
17-4 surcharge	Oct 22	0.9048	0.9048	-0.0033
303 price	Oct 22	2.4781	2.4781	-0.0014
304 price	Oct 22	2.4104	2.4104	-0.0014
316 price	Oct 22	3.1966	3.1966	+0.0322
416 price	Oct 22	1.5671	1.5671	-0.0084
17-4 price	Oct 22	2.7548	2.7548	-0.0033

Stainless steel coil ex-works US (monthly) \$/lb				
	Timing	Low	High	±
301 surcharge	Nov 22	1.0715	1.0715	-0.0785
304 surcharge	Nov 22	1.1732	1.1732	-0.0814
316 surcharge	Nov 22	1.7336	1.7336	+0.0034
301 price	Nov 22	1.8195	1.9895	-0.0785
304 price	Nov 22	1.9124	2.0884	-0.0814
316 price	Nov 22	2.7164	2.9504	+0.0034

## STAINLESS/ALLOYS PRICES

Tool steel scrap del US processor (weekly)				\$/lb
	Timing	Low	High	±
H13	26 Oct	0.3327	0.3478	nc
M1	26 Oct	1.1387	1.2099	nc
M2	26 Oct	1.6309	1.6871	nc
M42	26 Oct	1.9632	2.1069	nc
T1	26 Oct	1.8469	1.9290	nc
T15	26 Oct	1.8811	1.9320	nc

Ferro-alloys and feedstock prices				
	Timing	Low	High	±
Charge chrome fob US warehouse \$/lb	30 Sep	1.60	1.70	-0.93
Ferro-boron 17% B fob US warehouse \$/lb	30 Sep	2.50	3.00	-0.28
Ferro-chrome HC min 62% Cr 6-8% C fob US warehouse (per lb Cr) \$/lb	20 Oct	2.70	3.00	-0.10
Ferro-chrome LC 60% Cr 0.15% C fob US warehouse \$/lb	20 Oct	3.60	3.85	-0.40
Ferro-chrome LC min 65% Cr 0.05% C max 1.5% Si fob US warehouse (per lb Cr) \$/lb	20 Oct	5.90	6.00	nc
Ferro-chrome LC min 65% Cr 0.10% C max 1.5% Si fob US warehouse (per lb Cr) \$/lb	20 Oct	3.85	4.10	-0.40
Ferro-manganese HC min 80% Mn 6-8% C fob North America warehouse \$/gt	20 Oct	1,870	1,970	nc
Ferro-manganese MC 80% Mn 1-2% C fob North America warehouse \$/lb	30 Sep	2.00	2.05	0
Molybdenum oxide min 57% fob US warehouse \$/lb	20 Oct	19.20	19.50	-0.40
Ferro-molybdenum min 65% Mo max 1.5% Si fob North America warehouse (per lb Mo) \$/lb	20 Oct	21.75	22.50	-0.03
Ferro-silicon min 75% Si max 0.1% C fob US warehouse (per lb Si) \$/lb	20 Oct	1.60	1.80	-0.05
Ferro-titanium 70% Ti fob North America warehouse \$/lb	20 Oct	3.60	3.90	-0.05
Ferro-tungsten 75% W fob North America warehouse \$/lb	30 Sep	20.00	21.00	-1.00
Ferro-vanadium 78-82% V max 1.5% Si fob North America warehouse (per lb V) \$/lb	20 Oct	18.75	19.25	-0.25
Silico-manganese min 65% Mn 16% Si fob North America warehouse \$/lb	20 Oct	1.11	1.15	nc

Cupro-nickel and super alloys scrap (daily)				
	Timing	Low	High	±
Cupro-nickel del US processor (daily)				
C70600 (90:10)	26 Oct	2.9885	3.3300	+0.1233
C71500 (70:30)	26 Oct	3.5263	3.9965	+0.0843
Monel 400 (R)	26 Oct	5.5816	5.9304	+0.0499
Cupro-nickel del US processor (weekly)				
Monel (K) solids	20 Oct	4.71	5.25	-0.04
Monel (R) turnings	20 Oct	3.91	4.25	-0.04

Cupro-nickel and super alloys				
	Timing	Low	High	±
Super alloys del US processor (daily)				
Hastelloy C air melted	26 Oct	8.0342	8.8863	+0.0107
Hastelloy X air melted	26 Oct	5.1942	5.3645	+0.0081
Inconel 600 vacuum melted	26 Oct	5.7919	6.2746	+0.0132
Inconel 601 vacuum melted	26 Oct	4.8931	5.2583	+0.0099
Inconel 617 vacuum melted	26 Oct	6.4488	7.0937	+0.0079
Inconel 625 vacuum melted	26 Oct	7.9955	8.4658	+0.0119
Inconel 718 vacuum melted	26 Oct	6.0652	6.6618	+0.0096
Waspaloy vacuum melted	26 Oct	6.3675	6.9918	+0.0087
Super alloys del US processor (weekly)				
Invar solids, vacuum melted	20 Oct	2.25	2.37	-0.01

## NON-FERROUS COMMENTARY

### US Al: Midwest approaches 20-month low

US premiums for primary aluminum dipped for a fourth week on Wednesday as consumers adopted an end-of-year mentality earlier than usual and they were more than well supplied on scrap.

Argus dropped its weekly premium by 6pc to a 19-month low of 19-20¢/lb on Wednesday as even the most bullish sellers admitted US spot demand was slow and that higher-priced holdouts likely had little ground to stand on for the remainder of the year.

Exacerbating the effects of a slow spot market on premiums, traders also saw the London Metal Exchange cash and three-month contracts slide into backwardation again on Wednesday in officials for the first time in two weeks.

Even though high energy prices and several large primary curtailments around the world have created down-the-road concerns about supply should demand pick up in the first quarter, nearby demand was soft.

LME sheds have also soared recently, with more than 100,000t of metal rushing into warehouses last week, bringing stockpiles back to April levels in a matter of days, indicating at least some softness in demand as the exchange functions as a buyer of last resort.

Some market participants have speculated that the surge could be related to western consumers shunning Rusal metal, but the LME does not share real-time information on what brands make up what percentage of total inventories.

“Mixed signals at LME [Week]. Producers are claiming to have high North American demand but the macro outlook is poor for all. Little demand in Europe or Asia is causing more offers to come in from those regions,” a trader said.

The Argus daily used beverage can (UBC) price rose by 3pc on Wednesday to 76-78¢/lb delivered mill as the LME has been up recently by more than the Midwest premium’s retreat.

LME cash official prices moved up by a hefty 4pc on Wednesday morning in response to a softening US dollar, especially against the yuan.

Almost all rolling mills have exited the UBC spot market at this point but a minority of brokers are still buying against annual obligations.

### Europe Al: Premiums dip as buyers steer clear

European aluminium premiums fell back over the past week as offers dropped amid huge uncertainty over the market’s near

future, which persuaded buyers not to commit to long-term purchases at the present time.

The Argus weekly assessment for the duty-paid P1020 ingot premium in-warehouse Rotterdam fell to \$280-330/t on Wednesday 26 October, from \$300-350/t previously, while duty unpaid premiums dropped to \$200-230/t from \$200-250/t.

Customers are well-stocked for now and with [so much uncertainty over the coming months](#), few are willing to commit to further purchases.

“We will see up to six months of weakness now until this destocking is over, then we’ll see what happens,” one trader said. “Unless we see some sort of gamechanger it will be weak for a while.”

There was little on offer at the London Metals Exchange (LME) Week gathering to signal any more concrete direction for the market, with questions still hanging over the viability of Russian metal and the continuing energy crisis that has engulfed markets, particularly in Europe.

Billet premiums also dropped this week, with the same reluctance on the part of consumers to commit to longer term 2023 purchases, while most remain well covered for the rest of 2022.

The Argus weekly assessments for aluminium 6063 billet premiums delivered to Italy and Germany both dipped at \$875-925/t from \$900-950/t on Wednesday, while the in-warehouse Rotterdam premium fell to \$825-875/t from \$850-900/t.

### US Cu: Tight supply, soft demand holds spreads

US copper scrap spreads were mostly flat for the week as tight supply counterbalanced weak demand.

Argus assessed bare bright scrap spreads at 7-10¢/lb under December Comex on Wednesday, little changed from 6-10¢/lb under last week. #1 wire and tube copper scrap spreads held to 13-16¢/lb under for the week.

Scrap remained tight as flows into many US yards were slow. “Scrap is definitely tight. We have been trying to buy a couple loads of #1 for shipment within two weeks and having no luck. The price doesn’t matter as most units are committed,” a seller said.

But business was soft for mills as well, with some reporting that they were booked for November and will need very little for the balance of the year. “It has been slowing over the last two months,” a consumer said, “Unfortunately, I don’t see any changes until next year if

## NON-FERROUS COMMENTARY

then."

Despite a weakened US demand, the Chinese market and their strong spreads have kept pressure on US discounts.

The US dollar fell for a fifth consecutive day, causing copper futures to rally.

After dropping by 8¢/lb over the past two days, the Comex (CME) next active month copper price (December) climbed to \$3.545/lb on Wednesday or its highest settlement since 13 September. But despite the bump, the Comex price remained 94¢/lb lower than a year earlier.

London Metal Exchange (LME) three-month copper price rose nearly 3pc on Wednesday to close at \$7,668/t. The LME was up by 4pc for the week and at a three-week high but remained 22pc lower from the prior year.

Shanghai Futures Exchange (SHFE) copper rose up by 1.4pc to a two-week high of \$8,879.06 on Wednesday, but was still off by 21.5pc compared with a year earlier.

### US Cu: Premiums flat, contact talks linger

US grade A copper cathode premiums were unchanged as the spot market continued to be muted and annual contracts talks dragged.

Argus assessed grade A copper cathode premiums at 9.5-11¢/lb delivered Midwest, as consumers stayed out of the spot market and negotiations between buyers and sellers for next year were slow to be finalized.

But many were in London for the annual London Metal Exchange (LME), hoping to get more clarity on where copper cathode premiums were heading for 2023.

Total copper cathode warehouse supply increased for the week and was up year on year.

Comex (CME), London Metal Exchange (LME) and Shanghai Futures Exchange (SHFE) copper warehouse totals settled at 259,258t on Wednesday, 6.5pc higher week on week and 3.3pc higher than a year earlier.

The LME copper cathode warehouse total moved lower by 2.7pc on Wednesday to 130,800t, its lowest in a month.

Weekly SHFE stocks on warrant settled 40.5pc higher at 89,566t last Friday. A second straight week of increases pushed stockpiles to their highest level since 8 April.

CME copper stocks crept lower for a 15th straight day on Wednesday to 38,892t, the lowest total since 13 April, 2020.

### Metal futures: Markets rise on softer dollar

Base metal prices on the London Metal Exchange (LME) rallied in Wednesday's official morning session after the US dollar dropped, as prices have been volatile this week.

The three-month LME copper contract jumped by 2.9pc to \$7,668/t, while Comex's next most active month copper contract closed 4.4pc higher at \$3.54/lb.

Three-month LME aluminum climbed by 3.2pc to \$2,262/t, as the three-month LME zinc contract increased by 3.3pc to \$2,937/t.

A weakening in the US dollar on Wednesday amid a strengthening in the Chinese yuan has benefited the base metal complex, with prices rallying on Wednesday morning after a decline on Tuesday on macroeconomic concerns. A softer dollar supports base metal prices as it makes purchasing in other currencies cheaper.

The US dollar index, which measures the currency against a basket of others, was at 110.045 at the end of the LME morning session, moving from 110.935 at the same time on Tuesday. Price movement for the base metal complex has been volatile this week and has come against a backdrop of low inventories of metal. Total on-warrant base metal stocks stood at 471,695t on Wednesday, down 0.3pc on the day and down by 33pc on the week.

Chinese cities Wuhan and Guangzhou have reportedly placed restrictions on some districts as Covid-19 cases increase, highlighting the country's continued response to the pandemic and bearish headwinds for markets going forward.

Global equities were mostly higher throughout the day except for US markets. In Asia, Hong Kong's Hang Seng gained 1pc and Tokyo's Nikkei 225 was 0.7pc higher this morning. In Europe, the German DAX gained 1.1pc while London's FTSE 100 increased by 0.6pc. Meanwhile in the US, the S&P 500 lost 0.6pc as the Dow Jones Industrial Average was almost unchanged during midday trading.

WTI, the US crude benchmark, closed 3pc higher at \$87.91/bl. Prices across the rest of the base metal complex found higher ground today. The three-month LME nickel contract rose by 1.7pc to \$22,455/t.

Three-month LME tin bounced by 3.3pc to \$18,650/t. As the three-month LME lead contract rose by 0.7pc to \$1,889/t. Both the standard LME aluminum alloy contract and North American aluminum alloy contract were flat on Wednesday, staying at \$1,650/t and \$2,400/t.



## NON-FERROUS PRICES

Copper and brass prices					Copper and brass prices				
	Timing	Low	High	±		Timing	Low	High	±
<b>Copper cathode premiums</b>					<b>Copper, brass scrap</b>				
<b>US \$/lb</b>					<b>Asia-Pacific \$/lb</b>				
Grade A del US Midwest premium	26 Oct	0.0950	0.1100	nc	Bare bright cif Asia cash spread \$/lb	20 Oct	-0.0855	-0.0705	-0.0110
Grade A del US Midwest transaction	26 Oct	3.7245	3.7395	+0.1790	Bare bright cif Asia next active month spread \$/lb	20 Oct	-0.0450	-0.0300	+0.0025
<b>Europe \$/t</b>					<b>Bare bright cif Asia transaction \$/lb</b>				
Premium del southern Europe	25 Oct	170.00	200.00	nc	#1 wire and tube cif Asia cash spread \$/lb	20 Oct	-0.1505	-0.1105	-0.0135
Premium in-warehouse Rotterdam	25 Oct	70.00	100.00	nc	#1 wire and tube cif Asia next active month spread \$/lb	20 Oct	-0.1100	-0.0700	nc
<b>Copper scrap</b>					<b>#1 wire and tube cif Asia transaction \$/lb</b>				
<b>US</b>					<b>#2 cif Asia ports cash spread \$/lb</b>				
Bare bright \$/lb					#2 cif Asia ports next active month spread \$/lb	20 Oct	-0.3100	-0.2100	-0.0100
del US cash spread	26 Oct	-0.1845	-0.1545	-0.0470	#2 cif Asia ports transaction \$/lb	26 Oct	3.2790	3.3790	+0.1790
del US next active spread	26 Oct	-0.1000	-0.0700	-0.0050	Mixed motors cif Asia \$/lb	20 Oct	0.37	0.40	-0.01
del US transaction	26 Oct	3.4450	3.4750	+0.1320	Yellow brass cif Asia ports \$/lb	20 Oct	2.31	2.36	-0.06
Chops del US cash spread	26 Oct	-0.1745	-0.1445	-0.0470	<b>Europe, % of LME Official</b>				
Chops del US next active spread	26 Oct	-0.0900	-0.0600	-0.0050	Bare bright del Europe cash spread % of LME Official	25 Oct	98	99	nc
Chops del US transaction	26 Oct	3.4550	3.4850	+0.1320	#1 wire and tube del Europe cash spread % of LME Official	25 Oct	95	97	nc
Chops fas US port cash spread	20 Oct	-0.1305	-0.1005	-0.0085	#2 del Europe cash spread % of LME Official	25 Oct	90	92	nc
Chops fas US port next active spread	20 Oct	-0.0900	-0.0600	+0.0050	#2 del Europe transaction \$/lb	26 Oct	3.1689	3.2393	+0.0935
Chops fas US port transaction	26 Oct	3.4990	3.5290	+0.1790	<b>Brass alloy scrap</b>				
<b>#1 copper \$/lb</b>					<b>US \$/lb</b>				
del US cash spread	26 Oct	-0.2445	-0.2145	-0.0420	C200-series del US cash spread	26 Oct	-0.1945	-0.1645	-0.0470
del US next active spread	26 Oct	-0.1600	-0.1300	nc	C200-series del US next active spread	26 Oct	-0.1100	-0.0800	-0.0050
del US transaction	26 Oct	3.3850	3.4150	+0.1370	C200-series del US zinc cash spread	26 Oct	-0.0500	0.0000	-0.0050
Chops del US cash spread	26 Oct	-0.2245	-0.2145	-0.0470	C260 (70:30) del US transaction	26 Oct	2.7946	2.8306	+0.0987
Chops del US next active spread	26 Oct	-0.1400	-0.1300	-0.0050	C210 transaction price del US	26 Oct	3.3283	3.3593	+0.1265
Chops del US transaction	26 Oct	3.4050	3.4150	+0.1320	C220 transaction price del US	26 Oct	3.2215	3.2535	+0.1209
Chops fas US port cash spread	20 Oct	-0.1905	-0.1705	-0.0135	C230 transaction price del US	26 Oct	3.1148	3.1478	+0.1153
Chops fas US port next active spread	20 Oct	-0.1500	-0.1300	nc	C240 transaction price del US	26 Oct	3.0081	3.0421	+0.1098
Chops fas US port transaction	26 Oct	3.4390	3.4590	+0.1790	C270 transaction price del US	26 Oct	2.6879	2.7249	+0.0931
<b>#2 copper \$/lb</b>					<b>Europe</b>				
Chops del US cash spread	26 Oct	-0.3645	-0.3245	-0.0470	C260 (70:30) cash spread % of LME	25 Oct	88	90	nc
Chops del US next active spread	26 Oct	-0.2800	-0.2400	-0.0050	C260 (70:30) del Europe transaction \$/lb	26 Oct	2.5252	2.5828	+0.0712
Chops del US transaction	26 Oct	3.2650	3.3050	+0.1320	<b>Brass/bronze alloys del US \$/lb</b>				
Chops fas US port cash spread	20 Oct	-0.3105	-0.2905	-0.0135	C83600	20 Oct	3.9000	4.0000	nc
Chops fas US port next active spread	20 Oct	-0.2700	-0.2500	nc	C84400	20 Oct	3.5000	3.6000	nc
Chops fas US port transaction	26 Oct	3.3190	3.3390	+0.1790	C87300	20 Oct	4.6000	4.7000	nc
<b>Brass \$/lb</b>					<b>C87500</b>				
Radiators del US	26 Oct	2.21	2.24	+0.06	C89833	20 Oct	4.4000	4.5000	nc
Red brass solids del US	26 Oct	2.69	2.73	+0.09	C89836	20 Oct	4.5500	4.6500	nc
360 rod borings del US	26 Oct	2.40	2.48	+0.16	C95800	20 Oct	4.4500	4.5500	nc

## NON-FERROUS PRICES

Aluminium prices				
	Timing	Low	High	±
<b>Aluminium premiums</b>				
<b>US \$/lb</b>				
P1020 US Midwest premium	26 Oct	0.1900	0.2000	-0.0115
P1020 US Midwest monthly average	30 Sep	0.2250	0.2450	-0.0250
P1020 US Midwest transaction	26 Oct	1.2174	1.2276	+0.0316
6061 billet US spot premium	26 Oct	0.2100	0.2300	nc
6061 billet del US transaction	26 Oct	1.4274	1.4576	+0.0316
6063 billet del US spot premium	26 Oct	0.2000	0.2200	nc
6063 billet del US transaction	26 Oct	1.4174	1.4476	+0.0316
<b>Japan \$/t</b>				
P1020 cif Japan quarterly	4Q 22	99.00	99.00	-49.00
<b>Europe \$/t</b>				
<b>Rotterdam</b>				
P1020 duty paid spot in-warehouse	26 Oct	280.00	330.00	-20.00
P1020 duty unpaid spot in-warehouse	26 Oct	200.00	230.00	-10.00
P1020 duty paid 3-month in-warehouse	26 Oct	280.00	330.00	-20.00
P1020 duty unpaid 3-month in-warehouse	26 Oct	200.00	230.00	-10.00
6063 extrusion duty paid spot in-warehouse	26 Oct	825.00	875.00	-25.00
<b>Italy/Germany</b>				
6063 billet del Italy spot	26 Oct	875.00	925.00	-25.00
6063 billet del Germany spot	26 Oct	875.00	925.00	-25.00
<b>Aluminium mill, extruder scrap prices del US \$/lb</b>				
10/10 extrusions	25 Oct	0.9600	0.9800	-0.0150
1100 & 3003	25 Oct	1.0100	1.0200	+0.0100
5052 clips	25 Oct	0.9900	1.0200	nc
6061 new, bare	25 Oct	0.9200	0.9400	-0.0150
6063 new, bare	25 Oct	0.9800	0.9950	-0.0275
Cans (UBC)	26 Oct	0.7600	0.7800	+0.0200
EC wire	25 Oct	1.0850	1.0950	nc
Litho sheet	25 Oct	0.9900	1.0050	-0.0175
MLC	25 Oct	0.7200	0.7300	+0.0100
Painted siding	25 Oct	0.7100	0.7200	+0.0150

Minor metals prices fob US warehouse (weekly)				
	Timing	Low	High	±
Magnesium min 99.9% \$/t	25 Oct	12,787	14,991	-441.00
Manganese electrolytic metal min 99.7% \$/lb	20 Oct	2.30	2.80	-0.03
Silicon 5-5-3 min 98.5% Si (30 days) \$/lb	25 Oct	2.75	3.20	nc
Silicon 5-5-3 min 98.5% Si (90 days) \$/lb	25 Oct	2.70	3.15	nc
Tantalum scrap 99.9% vacuum melted del US consumer \$/lb	25 Oct	160.00	170.00	nc

Aluminium prices				
	Timing	Low	High	±
<b>Aluminium secondary smelter scrap</b>				
<b>US \$/lb</b>				
A356 wheels	20 Oct	1.0600	1.0800	-0.0200
Aluminium-copper radiators	20 Oct	1.7600	1.8000	+0.0250
Clean, old aluminium radiators	20 Oct	0.6400	0.6500	+0.0100
High grade turnings	20 Oct	0.4900	0.5200	nc
Irony 6063 extrusions	20 Oct	0.7700	0.8000	-0.0250
Mixed 2000/7000 solids	20 Oct	0.5400	0.5600	+0.0050
Mixed 2000/7000 turnings	20 Oct	0.4200	0.4300	-0.0200
MLC	20 Oct	0.6400	0.6700	-0.0200
Old cast	20 Oct	0.6200	0.6400	-0.0050
Old sheet	20 Oct	0.6300	0.6400	+0.0075
Painted siding	20 Oct	0.6400	0.6500	nc
Tweak	20 Oct	0.7200	0.7400	nc
Twitch	20 Oct	0.8300	0.8500	+0.0500
Zorba min 95/2 del US facility	21 Oct	0.6400	0.6700	nc
Zorba min 99/3 fas US east coast	21 Oct	0.7200	0.7300	-0.0100
Zorba min 99/3 fas US west coast	21 Oct	0.7000	0.7300	-0.0100
<b>Asia Pacific \$/lb</b>				
Zorba 99/3 cif China	21 Oct	0.7700	0.7800	nc
Zorba min 95/2 cif India	21 Oct	0.7700	0.7850	nc
Taint/Tabor cif Asia port	21 Oct	0.7100	0.7400	nc
Tense cif Asia port	21 Oct	0.7100	0.7400	nc
<b>Europe</b>				
Taint/Tabor del European smelter €/t	20 Oct	1,300.00	1,350.00	+25.00
Tense del European smelter €/t	20 Oct	1,300.00	1,400.00	+25.00
Wheels del European smelter €/t	20 Oct	2,150.00	2,250.00	nc
Turnings (Telic) del UK £/t	21 Oct	900.00	950.00	-75.00
Cast (Tense) del UK £/t	21 Oct	1,180.00	1,230.00	-50.00
Old rolled (Taint/tabor) del UK £/t	21 Oct	1,150.00	1,200.00	nc
Wheels del UK £/t	21 Oct	1,800.00	1,850.00	-50.00
<b>Aluminium secondary alloy prices</b>				
<b>US</b>				
319.1 del US \$/lb	20 Oct	1.6600	1.6800	nc
356.1 del US \$/lb	20 Oct	1.8400	1.8600	-0.0450
A360.1 del US \$/lb	20 Oct	1.9100	1.9400	nc
A380.1 del US \$/lb	20 Oct	1.4500	1.4800	nc
A413.1 del US \$/lb	20 Oct	1.9200	1.9500	nc
B390 del US \$/lb	20 Oct	2.1400	2.1600	nc
<b>Asia Pacific</b>				
ADC 12 cif Japan \$/t	20 Oct	2,100	2,180	nc
<b>Europe</b>				
LM6 del UK £/t	21 Oct	2,950.00	3,000.00	nc
LM24 del UK £/t	21 Oct	2,300.00	2,350.00	nc
LM25 del UK £/t	21 Oct	2,900.00	2,950.00	nc
DIN 226 del Europe €/t	20 Oct	2,200.00	2,250.00	nc
DIN 230 del Europe €/t	20 Oct	3,150.00	3,250.00	nc
DIN 231 del Europe €/t	20 Oct	2,250.00	2,300.00	nc
DIN 239 del Europe €/t	20 Oct	3,150.00	3,250.00	nc

## NON-FERROUS PRICES

Zinc prices				
	Timing	Low	High	±
<b>Zinc premiums</b>				
Special high grade del US premium \$/lb	24 Oct	0.4000	0.4400	nc
Special high grade del US transaction \$/lb	26 Oct	1.7503	1.7903	+0.0258
Special high grade in-warehouse Rotterdam premium \$/t	24 Oct	420.00	480.00	nc
<b>Zinc scrap prices, del US consumer \$/lb</b>				
Old zinc diecast	24 Oct	0.8500	0.9000	nc
New zinc diecast	24 Oct	0.9900	1.0200	nc
Galvanizers top dross (quarterly)	Q422	1.0200	1.0600	-0.0200
Galvanizers bottom dross (quarterly)	Q422	0.9500	0.9900	-0.0200
<b>Zinc secondary alloy prices, del US consumer \$/lb</b>				
ZAMAK #3	24 Oct	1.8500	1.9000	+0.0400
ZAMAK #5	24 Oct	1.8700	1.9200	+0.0400
ZAMAK #7	24 Oct	1.8500	1.9000	+0.0400
ZAMAK #2	24 Oct	1.9300	1.9800	+0.0400
ZA #8	24 Oct	1.8700	1.9200	+0.0500
ZA #12	24 Oct	1.9100	1.9600	+0.0400
ZA #27	24 Oct	1.9700	2.0200	+0.0400

Titanium scrap del US (weekly)				\$/lb
	Timing	Low	High	±
<b>US dealer/processor, delivered</b>				
6Al 4V bulk weldable	20 Oct	5.00	5.50	nc
6Al 4V clips	20 Oct	2.75	3.00	nc
CP1 solids	20 Oct	4.10	4.30	nc
CP2 solids	20 Oct	3.35	3.95	nc
CP3/4 solids	20 Oct	2.90	3.10	nc
<b>US processor, delivered</b>				
6Al 4V turnings aero quality	20 Oct	4.25	4.85	nc

Minor metals prices (monthly)				
	Timing	Low	High	±
Chrome aluminothermic fob US warehouse \$/lb	30 Sep	6.00	6.25	-0.88
Molybdenum scrap 99.7% airmelt del US consumer \$/lb	30 Sep	21.50	22.00	+3.25
Molybdenum vacuum grade 99.7% del US vacuum consumer, \$/lb	30 Sep	23.50	24.50	+3.75
Molybdenum scrap 99.9% pure vacuum del US processor \$/lb	30 Sep	20.40	22.40	+4.40
Nickel-Cobalt refinery scrap cobalt contained del US processor \$/lb	30 Sep	5.6000	6.0000	nc
Nickel-Cobalt refinery scrap nickel contained del US processor \$/lb	30 Sep	4.00	4.45	-0.65
Niobium (columbium) scrap vacuum del US consumer \$/lb	30 Sep	40.00	41.00	-0.50
Niobium (columbium) scrap vacuum del US processor \$/lb	30 Sep	32.00	33.00	-0.50
Titanium 6Al 4V ingot fob US producer \$/lb	30 Sep	12.50	13.50	nc
Titanium 6Al 4V ingot in-warehouse Rotterdam (\$/kg)	3 Oct	15.00	16.00	nc
Tungsten 99.9% scrap del US processor \$/lb	30 Sep	17.00	18.50	-0.25
Tungsten 99.9% scrap solids consumer price fob US processor \$/lb	30 Sep	20.00	21.50	-0.25
Tungsten carbide scrap inserts fob US processor \$/lb	30 Sep	10.25	10.75	-0.50
Tungsten carbide scrap rounds fob US processor \$/lb	30 Sep	10.25	10.75	-0.50

Lead prices (weekly)				\$/lb
	Timing	Low	High	±
<b>Lead premiums</b>				
Ingot 99.97% premium del US	25 Oct	0.2000	0.2200	nc
Ingot 99.97% del US transaction	26 Oct	1.0618	1.0818	+0.0031
<b>Lead scrap prices, del US consumer</b>				
Heavy lead	25 Oct	0.7500	0.7850	-0.0525
Mixed lead	25 Oct	0.7100	0.7300	-0.0600
Undrained, whole old batteries	25 Oct	0.2000	0.2300	nc

## NON-FERROUS PRICES

LME official close base metals		\$/t	
	26 Oct	25 Oct	±
<b>Aluminium</b>			
Cash buyer	2,265.00	2,170.00	+95.0
Cash seller	2,265.50	2,170.50	+95.0
3-month buyer	2,260.00	2,190.00	+70.0
3-month seller	2,262.00	2,192.00	+70.0
<b>Aluminium alloy</b>			
Cash buyer	1,640.00	1,640.00	nc
Cash seller	1,650.00	1,650.00	nc
3-month buyer	1,640.00	1,640.00	nc
3-month seller	1,650.00	1,650.00	nc
<b>North American Special Alloy Aluminium Contract (NASAAC)</b>			
Cash buyer	2,377.00	2,377.00	nc
Cash seller	2,387.00	2,387.00	nc
3-month buyer	2,390.00	2,390.00	nc
3-month seller	2,400.00	2,400.00	nc
<b>Copper</b>			
Cash buyer	7,762.00	7,534.00	+228.0
Cash seller	7,762.50	7,536.00	+226.5
3-month buyer	7,666.00	7,445.00	+221.0
3-month seller	7,668.00	7,450.00	+218.0
<b>Lead</b>			
Cash buyer	1,898.00	1,891.00	+7.0
Cash seller	1,900.00	1,893.00	+7.0
3-month buyer	1,888.00	1,875.00	+13.0
3-month seller	1,889.00	1,875.50	+13.5
<b>Nickel</b>			
Cash buyer	22,250.00	22,070.00	+180.0
Cash seller	22,255.00	22,075.00	+180.0
3-month buyer	22,445.00	22,025.00	+420.0
3-month seller	22,455.00	22,075.00	+380.0
<b>Tin</b>			
Cash buyer	18,600.00	18,050.00	+550.0
Cash seller	18,650.00	18,055.00	+595.0
3-month buyer	18,600.00	18,050.00	+550.0
3-month seller	18,650.00	18,055.00	+595.0
<b>Zinc</b>			
Cash buyer	2,976.00	2,918.00	+58.0
Cash seller	2,977.00	2,920.00	+57.0
3-month buyer	2,936.00	2,880.00	+56.0
3-month seller	2,937.00	2,882.00	+55.0

LME official base metal stocks		t	
	26 Oct	25 Oct	±
Aluminium	574,075	569,500	+4,575
Aluminium alloy	2,120	2,120	nc
NASAAC	3,720	3,740	-20
Copper	130,800	134,400	-3,600
Lead	28,400	28,400	nc
Nickel	52,908	52,908	nc
Tin	4,515	4,565	-50
Zinc	48,925	49,825	-900

LME official cash close minor metals		\$/t	
	26 Oct	25 Oct	±
<b>Cobalt</b>			
Cash buyer	51,005	51,005	nc
Cash seller	51,505	51,505	nc
3-month buyer	51,455	51,455	nc
3-month seller	51,955	51,955	nc
15-month buyer	52,960	52,965	-5
15-month seller	53,960	53,965	-5

CME Comex closing prices		\$/t	
	26 Oct	25 Oct	±
<b>Aluminium</b>			
Spot month	2,352.50	2,228.50	+124.00
<b>Copper</b>			
Spot month	8,001.67	7,607.04	+394.63

SHFE official closing prices		\$/t	
	26 Oct	25 Oct	±
<b>Aluminium</b>			
Spot month	2,603.66	2,535.18	+68.48
<b>Copper</b>			
Spot month	8,879.05	8,756.15	+122.90
<b>Nickel</b>			
Spot month	26,364.02	25,879.90	+484.13
<b>Tin</b>			
Spot month	23,749.92	23,307.78	+442.14
<b>Zinc</b>			
Spot month	3,379.11	3,363.59	+15.52

LME minor metal stocks		t	
	26 Oct	25 Oct	±
Cobalt	168	168	nc

## NEWS

### Nucor plate mill to fight imports: Cliffs CEO

The chief executive of integrated steelmaker Cleveland-Cliffs cheered on a new plate mill being built by one of his competitors, arguing it will fight plate imports.

The new 1.2mn short ton/yr plate mill being built by electric arc furnace (EAF) steelmaker Nucor in Brandenburg, Kentucky, should begin producing plate by the end of the year.

"The new (plate) capacity that's coming is overdue," Cliffs' chief executive Lourenco Goncalves said yesterday. "Plate has been a playground for imports for a long long time, and I am happy that Nucor put the capital to deploy capacity where capacity is needed and pushing imports out. That is a good mentality."

In 2021, the US imported 531,000 metric tonnes (585,000st) of plate cut-to-length, up by 64pc compared with the prior year, according to data from the US Department of Commerce. Through August 2022, the US imported 324,000t, with South Korea and Canada being the two largest sources.

Thinner plate in coil imports more than doubled to 1.49mn t and were at 1.03mn t through August, with more than half from Canada and large amounts from Mexico and South Korea.

Market participants have voiced concerns that Brandenburg's new capacity will flood the market and lead to a drop in plate prices, which have remained stubbornly above their historical average spread with hot-rolled coil. The Argus US plate ex-works assessment is at \$1,618/st, more than double the HRC assessment.

Goncalves elaborated that his company's plate production will focus on military plate sales in the US and among US allies. Nucor has stated its new plate mill will be focused on the offshore wind power generation market, which is expected to grow in the coming years.

Goncalves added that he sees pricing in the plate market as being more sustainable because there are fewer participants in it than the flat-rolled market. The main companies producing plate in the US are Cliffs, Russian steelmaker Evraz, Indian steelmaker JSW, Nucor and Swedish steelmaker SSAB, which has two plate mills in the US.

*By Rye Druzin*

### Eurofer revises down EU steel sector forecast

European steel association Eurofer expects steel consumption in the EU to fall by 3.5pc on the year in 2022 and by 1.9pc in 2023.

It previously forecast a 1.7pc decrease and a 5.6pc increase, respectively.

But the deterioration of the economy and the energy crisis as a result of the war in Ukraine are resulting in a recession, impacting industrial activity and steel-consuming sectors.

"All downside factors have remained in place and even exacerbated, especially skyrocketing energy prices, which lead to unbearable production costs," Eurofer director general Axel Eggert said. "This has entailed a further cut in apparent steel consumption and a significant downward revision of steel-using sectors' output in the EU for the remainder of this year and supposedly for the first half of next year," he added.

The association also called on further "emergency trade measures" for "distortive" steel imports, which risk "significant industrial capacity destruction in Europe".

*By Lora Stoyanova*

### Operational risks threaten Nornickel production

Russian metals producer Norilsk Nickel (Nornickel), the world's largest producer of palladium and high-grade nickel and a major producer of platinum and copper, announced a year-on-year increase in its nickel output for the third quarter, but warned that it had recently begun facing several operational issues that may lead to production being compromised during the fourth quarter and in 2023.

Nornickel's July-September nickel production was up by 17.2pc to 59,284t, with output from its own Russian feed accounting for 59,183t. Output grew by 22pc on the previous quarter on account of an increase in production at Kola MMC, as well as a low base effect of the previous quarter, when the Harjavalta refinery was undergoing annual scheduled maintenance and repairs.

But the group highlighted several immediate risks to production in the near term as a result of sanctions on Russia's wider economy.

Nornickel is currently facing logistical delays to the delivery of spare parts for its machinery and equipment, together with issues around supply of its products as several ports and countries refuse to handle Russian cargo. The group said that it was looking to mitigate these operational risks by establishing alternative routes for the movement of goods in and out of Russia, and was further testing replacement mining equipment supplied by "manufacturers from friendly countries".

This move is a step away from Nornickel's plans from the

## NEWS

end of the second quarter, when it said that it was looking at Russia's domestic industry to fix the supply issues.

The Norilsk Concentrator, brought back on line this year after an industrial accident in 2021, was being modernised with an aim to recover its ore processing capacity by the end of this year, Nor Nickel said. Despite reporting an increase in nickel output during every quarter of this year, ongoing risks to production mean Nor Nickel does not expect its annual production guidance to exceed the pre-set level of 205,000-215,000t this year.

Nor Nickel's July-September copper output fell by 2pc on the year at 113,218t, with a testament to ongoing issues being that it retained its annual copper output guidance of 365,000-385,000t despite having already produced 317,147t in the first nine months of the year.

The group's production of platinum group metals also moved up year on year during the third quarter, with palladium output rising by 20pc to 712,000oz and platinum gaining 19pc to 171,000oz. Output guidance for 2022 remained at 2.451mn-2.708mn oz and 604,000-667,000oz, respectively.

*By Raghav Jain*

### Freeport 3Q Cu volumes up, revenues down

Global copper miner Freeport McMoRan's output and shipments of copper rose in the third quarter even as revenues slid by 18pc on the year on declining prices.

Overall copper production climbed to 1.06bn lbs in the third quarter, up from 987mn lbs a year earlier. Freeport sold 1.1bn lbs of copper in the third quarter compared with 1.03bn in the same quarter last year, the US based company said in its earnings report.

For full-year 2022, Freeport maintained its production guidance for copper at 4.2bn lbs but lowered its molybdenum guidance to 76mn lbs from 80mn lbs targeted at the end of the second quarter.

Sales of molybdenum declined to 17mn lbs in the third quarter from 20mn lbs a year earlier, while production fell to 19mn lbs from 23mn lbs in that same time frame.

North America copper production from the company's seven open pit mines across Arizona and New Mexico reached 373mn lbs in the third quarter, down from 377mn lbs in the third quarter of 2021. North American molybdenum production fell to 7mn lbs from 9mn lbs.

In Indonesia, Freeport operates three underground copper-

gold mines of which it owns 48.8pc. Indonesian third quarter copper production grew to 381mn lbs from 350mn lbs a year earlier.

The miner operates the Peruvian Cerro Verde and Chilean El Abra copper mines in South America, of which it owns 53.6pc and 51pc, respectively. The company's South American copper production rose to 302mn lbs in the third quarter from 260mn in the same period last year. Molybdenum production declined to 4mn lbs from 5mn lbs in that same time frame.

Quarterly revenues fell to \$5bn from \$6.1bn in the third quarter of 2021 amid declines in global copper prices. Freeports' average realized copper price declined to \$3.50/lb from \$4.20/lb a year earlier.

Profits declined to \$404mn in the latest quarter from \$1.4bn in the third quarter of 2021.

*By Andrew Saucer*

### LME WEEK: Chile closing in on royalty decision

Chile is closing in on a consensus for its mining royalty proposals but any such reforms will aim to maintain the country's competitiveness for foreign investment, mining minister Marcela Hernando Perez said during London Metal Exchange (LME) week.

Heading into this year's LME week in London, the biggest annual meet-up of metals and mining market participants, Chile's royalty reforms have been a key topic within the sector.

And speaking at the first UK-Chilean Society event to be held at LME week since the start of the Covid-19 pandemic, Hernando told delegates the country is close to a consensus on mining royalties.

"We hope to agree tax rates that will not affect our competitiveness," Hernando said.

"[Chile] must improve quality of life and mining should be at the vanguard, and must create conditions of sustainable development."

Hernando also said that the government does intend to nationalise the country's mining sector.

During the first half of 2022, Chile received more than \$10bn in direct foreign investment, a 23pc rise on the average of the previous five years.

Chile is the world's number one producer of mined copper. The country produced 3.5mn t in the first eight months of this year and 5.7mn t in 2021.



## NEWS

The county also wants to find a partner in the extraction of lithium within the country and set up a national lithium company, Hernando said. Chile already has a state-run company for the mining and exploration of copper in Codelco, the world's biggest copper producer.

Chile, Argentina and Bolivia form a "lithium triangle" that holds the world's largest amount of identified lithium resources, according to the US Geological Survey.

Chile has introduced the National Mining Policy 2050, which consists of 76 goals grouped into four sections: economic, social, environmental and institutional. One of the main objectives in the policy is for responsibility and competitiveness in its mining sector.

Copper prices on the LME have trended downward this year after hitting an all-time high of \$10,720/t on 7 March. The three-month copper contract settled at \$7,668/t in Wednesday's official morning session.

The red metal faces bearish and bullish fundamentals in the near term but there is optimism over prices for the second half of next year, delegates heard at the LME seminar this week.

Ed Meir, president of research firm Commodity Research Group, told delegates the firm is optimistic about copper prices going into the second half of next year, but highlighted a number of bullish and bearish signals that may influence the bellwether base metal.

Free-market members of China's government being sidelined at the Chinese Communist Party Conference earlier this month and the country's ailing property sector are some bearish factors.

But as copper faces bearish signals from China, Meir said there is still bullish support through supply fundamentals, with Chile and Peru both struggling to raise output.

Renewables and the green transition targets will boost demand over the coming decades.

And low copper inventories are likely to persist, Meir added, a factor that should support higher prices but so far has not had that much of an impact.

*By Corey Aunger*

### Whirlpool cuts production as demand falls

US appliance maker Whirlpool reduced its global production in the third quarter as it anticipates continued slowing demand.

The Michigan-based company cut production in the quarter

by 35pc globally as it faced slowing demand brought on by inflationary pressures and prepared for more economic problems.

Third quarter production levels were similar to the second quarter of 2020, chief operating officer Joseph Liotine said, when it and the global economy was facing the fallout of Covid-19-related economic shutdowns.

In the US, Whirlpool said the appliance industry contracted by 10pc, with larger declines in Europe and Latin America.

The company has reduced inventory levels by 10pc compared with the prior year.

Chief executive Marc Bitzer said raw material costs for steel and plastics were expected to have hit a peak in the third quarter and should begin to fall in the first half of 2023.

The Argus US hot-rolled coil Midwest ex-works assessment fell by 54pc from the beginning of the year to \$736/short ton on 25 October.

*By Rye Druzin*

### First Quantum lowers copper output guidance

Canadian mining firm First Quantum lowered its copper production guidance by as much as 12pc as output at its Zambian Kansanshi mine fell.

First Quantum expects 755,000-785,000 metric tonnes of copper production in 2022, down from its previous estimate of 790,000-855,000t.

The miner lowered its guidance for Kansanshi to 140,000-150,000t from 175,000-195,000t amid reduced proportions of oxide ore mining and an increased share of sulphide ore mining. Water in the mine's main pit prevented access to the oxide ore area. Although First Quantum has removed the water and added greater redundancies for the issue, some mining in the zone will be delayed until 2023.

Guidance for the Zambian Sentinel mine was also lowered to 240,000-250,000t from 250,000-265,000t as an earlier turnover of benches more than offset an expected uptick in ore grades in the fourth quarter.

First Quantum narrowed the estimate for its Panama-based Cobre Panama mine to 340,000-350,000t from 330,000-360,000t as grades and recoveries are projected to be mostly consistent with 2021 levels.

The company also lowered its nickel guidance to 20,000-23,000t from 25,000-30,000t.

All-in production costs for both copper and nickel were

## NEWS

raised as well with company projecting copper costs of \$2.35-2.45/lb compared with \$2.15-2.30/lb, as nickel costs rose to \$9.75-10.50/lb from \$7.50-8.50/lb.

First Quantum cited lower output at Zambian operations coupled with broad ranging inflationary cost pressures and higher employee costs for the increase to expenses.

Total copper production fell by 7pc to 195,000t in the third quarter from a year earlier. Kansanshi's production was off by 41pc to just under 30,000t, while Cobre Panama and Sentinel raised their output by 5pc and 7pc, respectively.

Total contained nickel production rose to just under 5,900t for the quarter compared with 4,200t a year earlier.

The company earned a profit of \$113mn on \$1.73bn in revenue, falling from a \$303mn profit on \$1.75bn of revenue a year earlier.

*By Zach Schumacher*

### GM increases US auto inventories

US automaker General Motors (GM) increased its US wholesale inventories in the third quarter as semiconductor supplies grow.

The company's dealer inventories grew to 359,000 vehicles at quarter's end, nearly triple the 129,000 vehicles it had in stock in the same period of 2021. The figure is up by 45pc compared with the prior quarter.

Increased volumes were attributed to improved semiconductor supplies, which have been hampered since January 2021 and have cost the North American auto industry [more than 3mn vehicles](#), according to AutoForecast Solutions.

GM's chief executive Mary Barra said the company completed and shipped nearly 75pc of the uncompleted vehicles it had in inventory at the end of the second quarter.

The company's chief financial officer Paul Jacobson said he does not believe GM will make "big increases in production" as it works to match inventories with demand.

US deliveries in the quarter were 556,000, an increase of 24pc compared to the prior year but down by 4.5pc compared with the prior quarter.

*By Rye Druzin*

### US steel imports lowest since Feb 2021

US steel imports fell to their lowest levels since February 2021, driven down by lower semi-finished and hot-rolled coil (HRC) import volumes.

Total imports of steel products for consumption were at 2.03mn metric tonnes (t) in September, down by 25pc compared to the prior year, according to preliminary data from the US Department of Commerce.

Import volumes of blooms, billets and slabs dropped by 51pc to 344,000t, while HRC imports fell by 40pc to 151,000t.

Hot dipped galvanized (HDG) coil imports declined by 22pc to 166,000t.

Imports from Canada and Mexico fell by 13pc and 23pc, respectively. Volumes from Brazil, a major slab producer, dropped by 56pc to 171,000t, while German imports fell by more than half to 70,000t.

*By Rye Druzin*

### US long product imports dropped in September

US long products imports fell by a quarter in September from year-earlier levels as demand for imported goods, especially reinforcing bar (rebar), remained stagnant.

Rebar imports fell to 108,000 metric tonnes (t) in September from 144,000t a year prior, according to preliminary data released by the US Census Bureau. They rose from the 104,500t imported in August.

Domestic demand for imported rebar was weak in September as domestic producers sought to undercut importers. *Argus*-assessed imported rebar into Houston averaged \$985/short ton (st) in August and fell to \$958/st in September.

Wire rod and wire drawn imports also fell. Wire rod imports fell by 47pc to 56,200t in September from a year earlier and were off by 24pc from August. Wire drawn imports fell by 15pc to 50,200t in September from a year earlier. They were down by 17pc from 60,300t in August.

*By Marialuisa Rincon*

### Raytheon sales rise on aircraft OEMs

Aerospace manufacturer Raytheon Technologies revenue rose on the recovery of the commercial aircraft end market and greater demand from original equipment manufacturers.

Overall quarterly revenue grew by 5pc to \$17bn from the previous year period, but profit declined by 1pc to \$1.38bn over the same period.

Quarterly sales from the Pratt & Whitney division increased by 14pc to \$5.4bn from the year earlier, driven by original equipment and original equipment manufacturer end markets. Jet engine sales rose to 509 from 475 in the third quarter of

## NEWS

2021, driven mostly by an increase in shipments for large commercial aircraft.

The Collins Aerospace subsidiary raised its third quarter sales by 11pc to \$5bn from the year prior. An uptick in commercial aftermarket sales pushed the increase higher and offset a decline from military end market buyers.

Raytheon Intelligence & Space posted \$3.6bn in sales, a drop from \$3.7bn in the third quarter of 2021. The decline was mostly attributed to a divestiture of the company's Global Training and Services business.

The Missiles and Defense segment fell by 6pc in the quarter to \$3.7bn from last year. Supply chain constraints in the Land Warfare, Air Defense, and Naval Power programs resulted in lower year-over-year sales.

The company's order backlog grew to \$168bn at the end of the third quarter, up from \$156bn a year earlier.

By Nicholas Bell

### China's refined Cu imports rise in 1-3Q

China's refined copper imports rose by 11.3pc from a year earlier during January-September. Imports also rose by 39.9pc on the year in September, latest customs data show.

The country imported 2.875mn t of refined copper in January-September, compared to 2.583mn t in the same period of 2021. Imports rose to 363,713t in September from 259,935t in September 2021.

Imports from Chile, the Democratic Republic of Congo (DRC), Russia, Japan, Kazakhstan, South Korea, Peru and Australia accounted for over 70pc of the total imports in January-September.

Shipments from DRC contributed the biggest rise during January-September, up by 156,065t compared with a year earlier, followed by Chile, Japan, South Korea and Russia, with increases of 94,448t, 26,182t, 11,897t and 11,890t respectively.

China's refined copper output was 7.6mn t during January-September, up by 1.6pc from a year earlier.

Domestic copper inventories comprising those on the Shanghai Futures Exchange (SHFE) and bonded warehouses totalled 102,566t as of 21 October, down by 56.3pc from 234,639t a year earlier, market participants told *Argus*.

"The fall in inventories is partially caused by reduced domestic feedstock supplies for refined copper, as well as growing demand in the downstream electrification and infrastruc-

ture segments," a market participant told *Argus*.

Copper contracts for December in the SHFE closed at 62,750 yuan/t (\$8,742/t) on 26 October, down by 12.8pc from Yn72,000/t a year earlier, as a result of a tightening monetary policy in major economies stuck in stubborn inflation.

## LME Aluminium UBC Scrap US

### Manage your risk

- Covers full truckload quantities of UBC delivered to US rolling mills at 30-day payment terms
- Built with input from mills, brokers, scrap dealers and toll converters
- Differentiate from the LME aluminium price



[Learn more »](#)

## ANNOUNCEMENTS

### Argus successfully completes annual losco assurance review

Argus has completed the 11th external assurance review of its price benchmarks covering crude oil, oil products, LPG, chemicals, thermal and coking coal, natural gas, biofuels, biomass, metals, fertilizers and agricultural markets. The review was carried out by professional services firm PwC. Annual independent, external reviews of oil benchmarks are required by international regulatory group losco's Principles for Oil Price Reporting Agencies, and losco encourages extension of the reviews to non-oil benchmarks. For more information and to download the review visit our website <https://www.argusmedia.com/en/about-us/governance-compliance>

## ANNOUNCEMENTS

### Suspension of Ukrainian, Russian pig iron

Argus has suspended its weekly assessments for basic pig iron fob Ukraine Black Sea and fob Russia Black Sea. Argus will continue to monitor the situation and will provide further announcements in due course.

## The Effects of Coronavirus on Markets

- › Blog posts
- › Podcasts
- › News stories
- › White Papers
- › Webinars
- › and more

[View the Argus hub page >>>](#)



Argus Scrap Markets is published by Argus Media group

#### Registered office

Lacon House, 84 Theobald's Road, London, WC1X 8NL  
Tel: +44 20 7780 4200

#### ISSN: 2399-4916

#### Copyright notice

Copyright © 2022 Argus Media group.  
All rights reserved.

All intellectual property rights in this publication and the information published herein are the exclusive property of Argus, and/or its licensors (including exchanges) and may only be used under licence from Argus. Without limiting the foregoing, by accessing this publication you agree that you will not copy or reproduce or use any part of its contents (including, but not limited to, single prices or any other individual items of data) in any form or for any purpose whatsoever except under valid licence from Argus. Further, your access to and use of data from exchanges may be subject to additional fees and/or execution of a separate agreement, whether directly with the exchanges or via Argus.

#### Trademark notice

ARGUS, ARGUS MEDIA, the ARGUS logo, INTEGER, ARGUS SCRAP MARKETS, other ARGUS publication titles and ARGUS index names are trademarks of Argus Media Limited.  
Visit [www.argusmedia.com/trademarks](http://www.argusmedia.com/trademarks) for more information.

#### Disclaimer

The data and other information published herein (the "Data") are provided on an "as is" basis. Argus and its licensors (including exchanges) make no warranties, express or implied, as to the accuracy, adequacy, timeliness, or completeness of the Data or fitness for any particular purpose. Argus and its licensors (including exchanges) shall not be liable for any loss, claims or damage arising from any party's reliance on the Data and disclaim any and all liability related to or arising out of use of the Data to the full extent permissible by law.

All personal contact information is held and used in accordance with Argus Media's Privacy Policy <https://www.argusmedia.com/en/privacy-policy>

#### Publisher

Adrian Binks

#### Chief operating officer

Matthew Burkley

#### Global compliance officer

Jeffrey Amos

#### Chief commercial officer

Jo Loudiadis

#### President, Expansion Sectors

Christopher Flook

#### Global SVP editorial

Neil Fleming

#### Editor in chief

Jim Washer

#### Managing editor

Jim Kennett

#### Editor

Blake Hurtik  
Tel: +1 713 360 7590  
[scrap@argusmedia.com](mailto:scrap@argusmedia.com)

#### Customer support and sales:

[support@argusmedia.com](mailto:support@argusmedia.com)  
[sales@argusmedia.com](mailto:sales@argusmedia.com)

London, Tel: +44 20 7780 4200

Beijing, Tel: +86 10 6598 2000

Dubai, Tel: +971 4434 5112

Hamburg, Tel: +49 40 8090 3717

Houston, Tel: +1 713 968 0000

Kyiv, Tel: +38 (044) 298 18 08

Moscow, Tel: +7 495 933 7571

Mumbai, Tel: +91 22 4174 9900

New York, Tel: +1 646 376 6130

Paris, Tel: +33 (0)1 53 05 96 70

Riga, Tel: + 371 6739 2220

San Francisco, Tel: +1 415 829 4591

Sao Paulo, Tel: +55 11 3235 2700

Shanghai, Tel: +86 21 6377 0159

Singapore, Tel: +65 6496 9966

Tokyo, Tel: +81 3 3561 1805

Washington, DC, Tel: +1 202 775 0240

Metals

illuminating the markets®

Licensed to: Tomas Bavington, Argus Media Limited (London)

