



WA Applications

WA Integra[™]

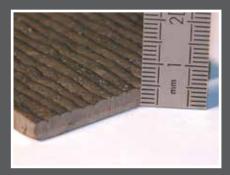
WA Integra offer innovative hardfacing and rebuilding solutions through a global network of service centres or in situ.



Hard*plat*e™

Heavy duty composite wear plate

- Base metal and coating thickness selected according to the application
- Choice of several coating types
- Preferred solution for maintenance



Hard*lite*™

Ultra-thin composite wear plates - less than 5mm

- Designed for applications where weight is an issue
- Lighter and harder than comparable hard plates
- Advantageous for moving parts



Tuffplate™

Impact resistant wear plates

- Designed for applications susceptible to a combination of wear and impact
- Ideal solution for material transfer and transportation areas



Cladded Tubes

- Internally clad tubes to withstand high levels of abrasion
- Available in a range of internal diameters from 50mm
- · Segmented elbow pipes easily changeable
- · Customised diameters with maximum abrasion resistance
- Produced in our Integra workshops with our 3D-Touch MultiSurfacer machine



Gyratory refurbishment by welding done on site



Cone refurbishment by welding done on site

Automated welding solutions for the repair or refurbishment of complex parts



Welding Alloys Group offer a range of cored welding wires and hard plates designed to provide repair and refurbishment solutions for many wear related problems found in the mining industry.



Bucket wheel excavator for open pit mine

The flexibility and ease of use of Welding Alloys products make them the ideal solution for a wide range of applications found in the repair shop or on site

EN 14700 T Fe1	HARDFACE T - O	chains, drive sockets, mine car wheels	↑ gut
EN 14700 T Fe1 / Fe2	HARDFACE P - O	cable, sheavers, tractor parts	increasing impact
EN 14700 T Fe8	HARDFACE L - O	tractor and shovel parts, bucket teeth	in ir
EN 14700 T Fe15	HARDFACE HC - O	hammers, discs, pipes, screws, cones, valves, conveyers, crushers, plates, bars	increasing abrasion
EN 14700 T Fe15	HARDFACE CN - O	crushers, cones, valves	ocre; abra
EN 14700 T Fe16	HARDFACE CV - O	conveyers, crushers	i= "
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EN 14700 T Fe9	HARDFACE AP - O	bars, cones and jaws for crushers, hammers	
EN 14700 T Fe10	HARDFACE 19 9 6 - O	buttering layers, mine car wheels, dissimilar welding	
EN ISO 17 633-A T 29 9 U N 3	TRI S 312 - O	repair of gear teeth, sprockets, chain links, transmission parts	
EN ISO 17 632-A T 38 Z W N 3	ROBOFIL T4	open arc joining wire	
EN ISO 18 276-A T 68 5 Mn2NiCrMoM M1 H5	ROBOFIL M 700	gas shielded high strength cored wire	
EN ISO 17 632-A T 46 2 P C 1 H5	ROBOFIL KX71T1+	gas shielded E71T1 wire for construction	
EN 14700 T Cu1	CORBRONZE 302 - G	sealing seats, guides, shafts	

Further welding consumables:

Hardfacing cored wires

Joining cored wires

Electrodes

















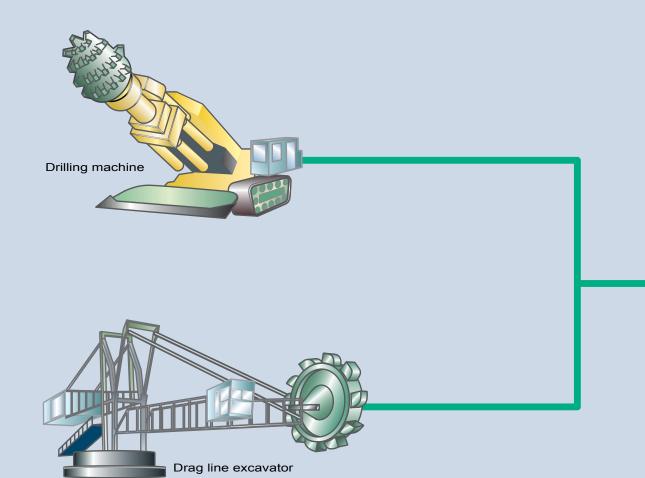




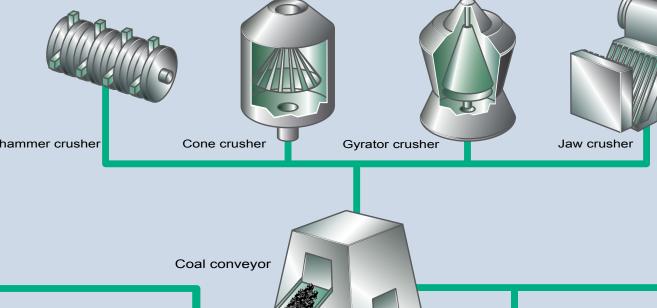


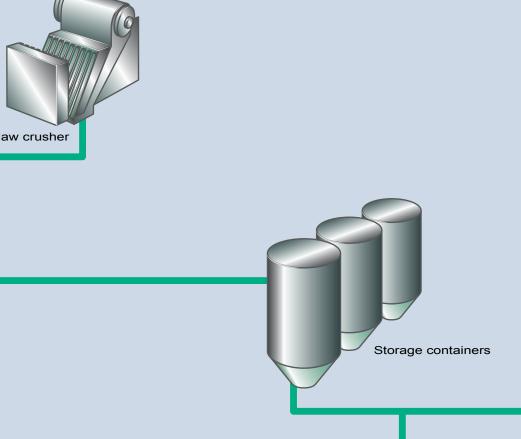


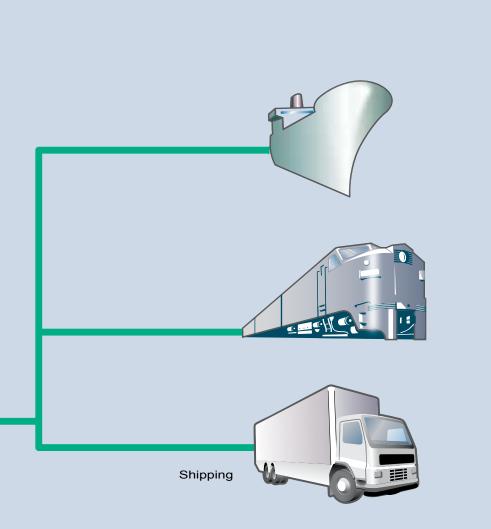




































From mining to shipping, always a WA Solution

Our Technical 'Spark' Solves Your Industrial Challenges



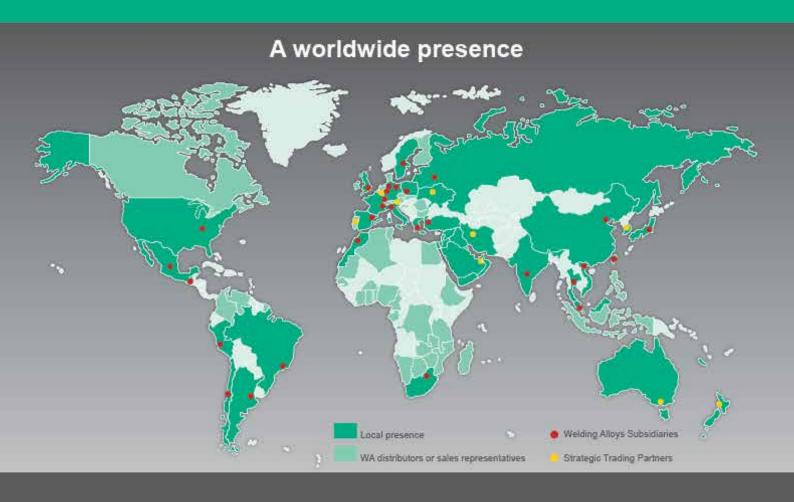
WA Consumables
The go-to provider
of advanced welding
consumables



WA Machines
The go-to provider
of automated equipment
for wear protection



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