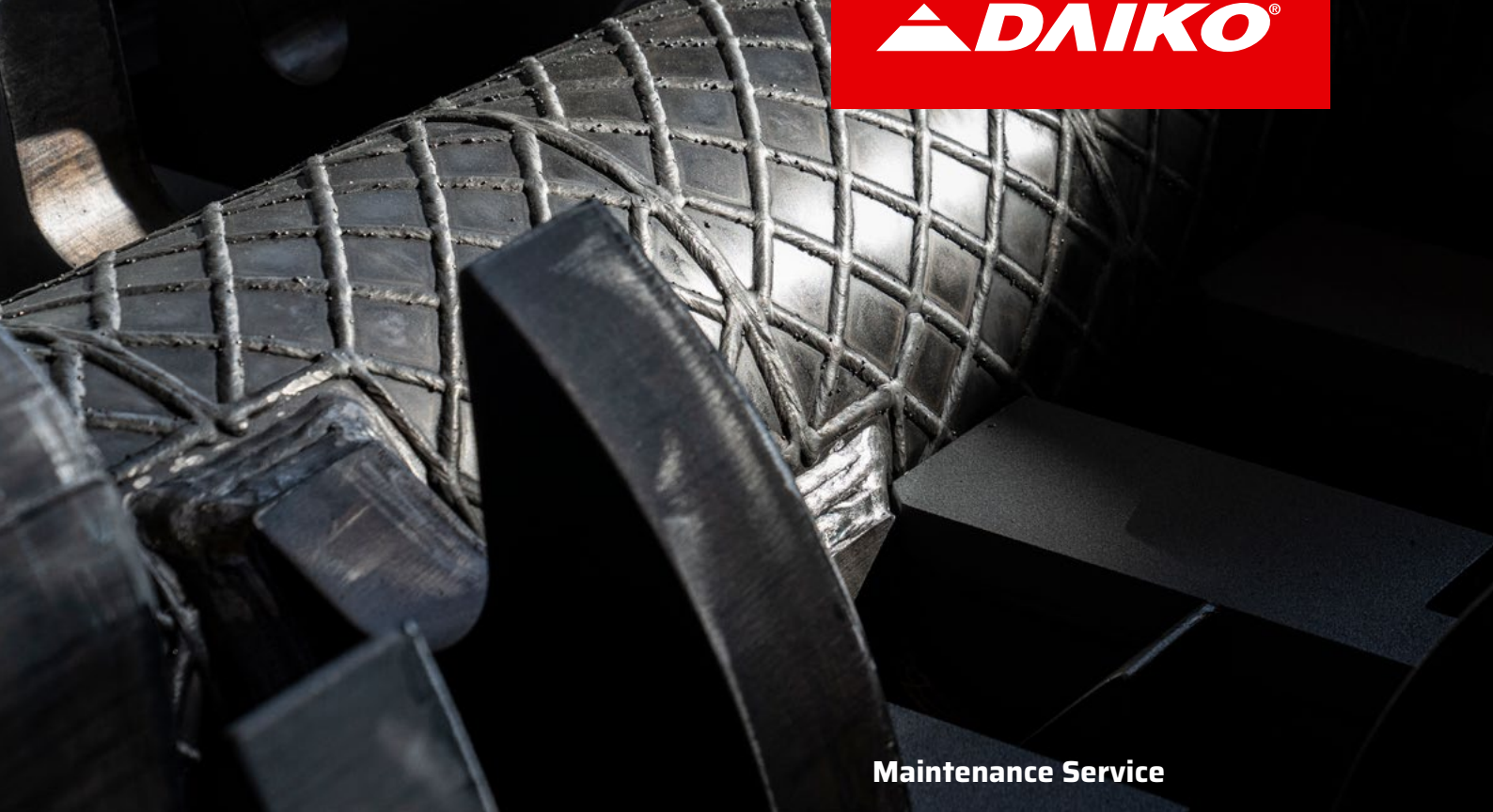




 **DAIKO®**



Maintenance Service

**MAINTENANCE
SOLUTIONS**

**A COMPLETE RANGE
OF CONSUMABLES
AND SERVICES
FOR WELDING,
HARDFACING
AND CLADDING**




For over forty years, DAIKO SRL has been a reference point for welding consumables able to guarantee compliance with the most stringent technical and quality requirements characterizing the main industrial segments.

Born with a specific focus on corrosion resistant alloys, over the years, DAIKO has developed a complete catalog for all welding applications including SMAW, GTAW, GMAW, FCAW, SAW and ESW, created and developed thanks to a careful selection of raw materials and continuous synergy with the most renowned and qualified international producers.

A strong asset of the company is the large stock which guarantees fast deliveries and precise supplies to customers.

We are a reliable partner, qualified by important and prestigious customers all over the world active in the oil & gas, chemical and petrochemical industry, in the production of pressure vessels, valves and in general wherever reliable and high-quality welding consumables are required.

 **Discover the High Quality of the Daiko Welding Products!**
scan the qrcode
and watch our factory video



MAINTENANCE SOLUTIONS

AN INNOVATIVE SERVICE FOR THE MAINTENANCE OF INDUSTRIAL PLANTS

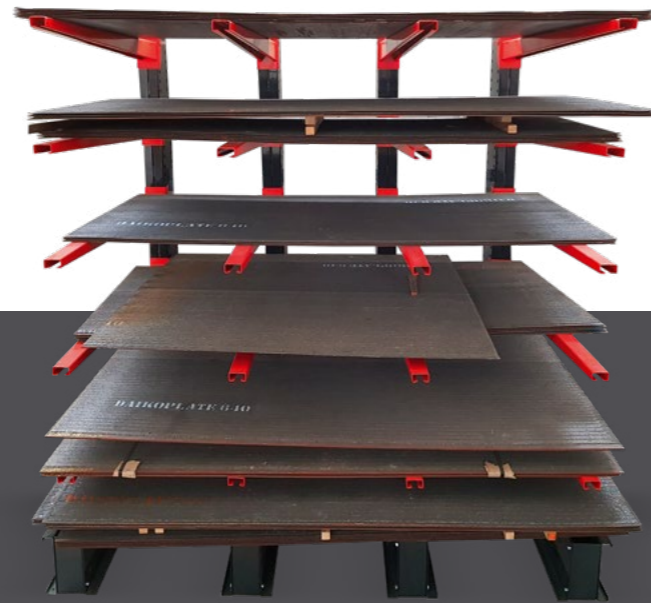
Thanks to the experience gained over forty years, DAIKO is now able to also produce items in wear resistant plate built to the customer's design such as pipes, curves, cyclones, snails and fans and to provide a complete maintenance and construction service for mechanical parts subject to wear such as shredders, crushing mills, impellers, stellite knives and augers



We are an Italian testimony of passion for technical excellence and customer service that over the years has made itself known and appreciated thanks to its values all over the world.

CLADDED WEAR PLATE

PRODUCT	DESCRIPTION	HARDNESS
DAIKOPLATE 640	Highly alloyed anti-wear sheet made with a chrome carbide plating on a carbon steel base that guarantees exceptional wear resistance with moderate shocks and temperature resistant up to 500°C.	60-62 HRC
DAIKOPLATE 695	Highly alloyed extra hard sheet made with a mixed carbide plating on a carbon steel base that guarantees exceptional wear resistance at temperatures above 600 ° C thanks to the addition of elements such as Nb, Mo, W and V.	61-64 HRC



DAIKOPLATE wear-resistant plated sheets

DAIKOPLATE 640 is an extra hard plate made with a chromium carbide cladding on a carbon steel base which guarantees exceptional resistance to wear in conditions of high stress and moderate impacts. DAIKOPLATE 640 guarantees good heat resistance up to 500° C. DAIKOPLATE 695 has been developed for higher temperatures applications.

Clad chemical composition and hardness

Typ	C	Mn	Si	Cr	Mo	Nb	V	W	Altri (tra cui B)	Hardness
640	4,0÷5,5	2,0÷3,0	0,8÷1,0	23÷30	-	-	-	-	0,5÷0,7	60÷62 HRC
695	4,9÷5,3	0,2÷0,5	0,8÷1,0	20÷23	6,0÷7,0	6,0÷7,0	0,8÷1,2	1,8÷2,2	0,5÷0,7	62÷65 HRC

Typical thicknesses

	BASE METAL	CLADDING
3+3	3 mm	3 mm
5+3	5 mm	3 mm
6+4	6 mm	4 mm
8+5	8 mm	5 mm
10+5	10 mm	5 mm

Typical dimensions

BASE METAL	CLADDED AREA
1500 X 3000 mm	1400 x 2950 mm
2000 X 3000 mm	1900 x 2950 mm

CLADDED WEAR TUBES

PRODUCT	DESCRIPTION	HARDNESS
DAIKOTUBE 640	Highly alloyed wear pipe madewith an internal plating of chromium carbides on a carbon steel base that guarantees exceptional wear resistance with moderate shocks and temperature resistant up to 500 °C.	60-62 HRC



DAIKOTUBE Wear-resistant plated tubes

DAIKOTUBE is internally cladded with chromium carbides on a carbon steel base which guarantees exceptional resistance to wear in conditions of high stress and moderate impacts. DAIKOTUBE 640 guarantees good heat resistance up to 500° C. DAIKOTUBE 695 has been developed for higher temperatures applications.

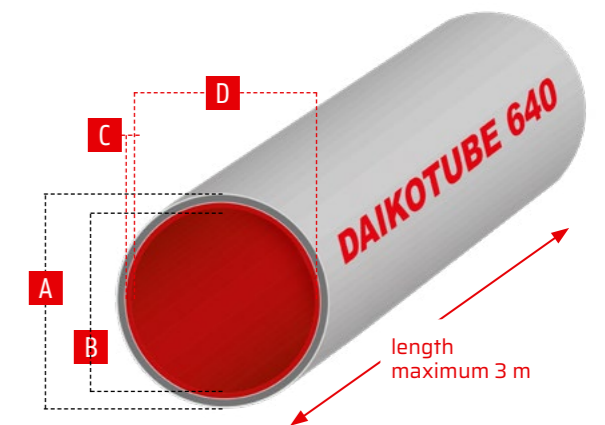


Clad chemical composition and hardness

Typ	C	Mn	Si	Cr	Mo	Nb	V	W	Others (including B)	Hardness
201R	0,4÷0,6	0,5÷1	2,6÷3,0	9÷10	-	-	-	-	-	58÷60 HRC
640	4,0÷5,5	2,0÷3,0	0,8÷1,0	23÷30	-	-	-	-	0,5÷0,7	60÷62 HRC
695	4,9÷5,3	0,2÷0,5	0,8÷1,0	20÷23	6,0÷7,0	6,0÷7,0	0,8÷1,2	1,8÷2,2	0,5÷0,7	62÷65 HRC

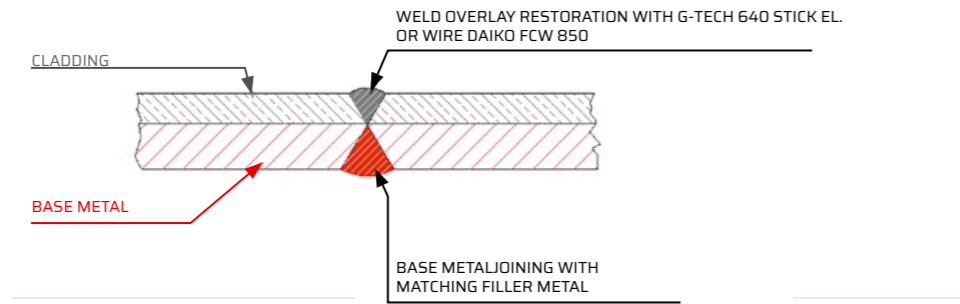
Dimensions

Ø OUTER A	Ø INNER B	CLAD THICKNESS C	Ø INNER WITH CLAD D
70 mm	54 mm	2,5 mm	49 mm
101,6 mm	85,6 mm	3,5 mm	78,6 mm
121 mm	105 mm	3,5 mm	98 mm
139,7 mm	119,7 mm	3,5 mm	112,7 mm
171 mm	151 mm	3,5 mm	144 mm
203 mm	183 mm	3,5 mm	176 mm

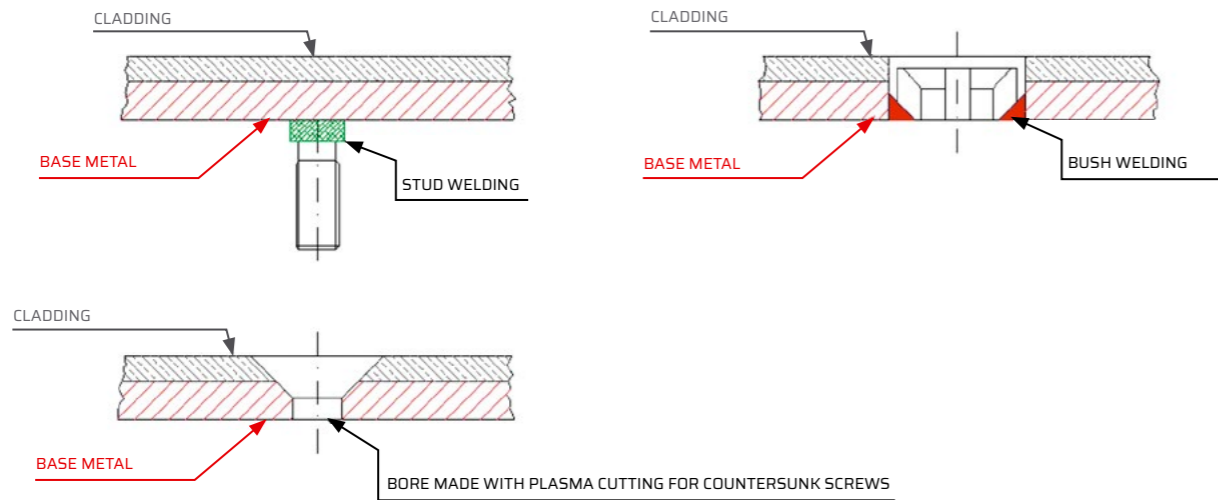


⚠ Non-standard sizes available on request, based on customer's drawings and specifications.

■ Plates joining



■ Fixing systems



■ Main industrial sectors and applications

INDUSTRIES	PRODUCTS
Cement production - Energy production Steel mills - Paper, glass and recycling industries Agricultural industries - Quarries - etc. ...	Separators - fans - chutes - cyclones mixers - silos - conveyors - hoppers screw conveyors - pipes etc. ...



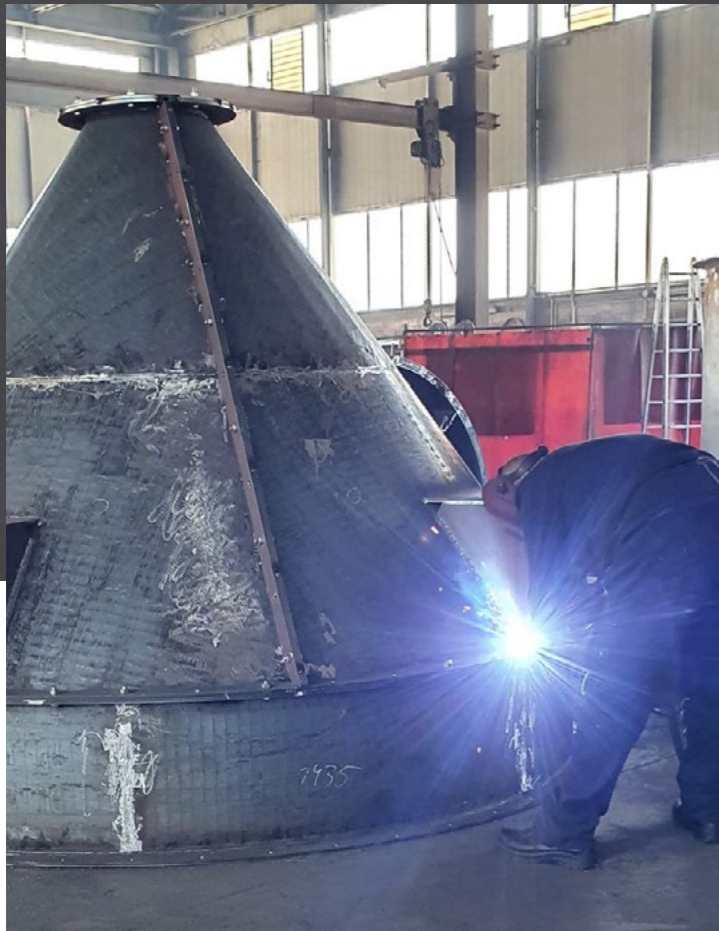
CLADDED WEAR PLATE



Hopper lining



Vibrant slide



Cone construction phase

CLADDED WEAR PLATE



Cyclone with dispenser for glass recycling plant

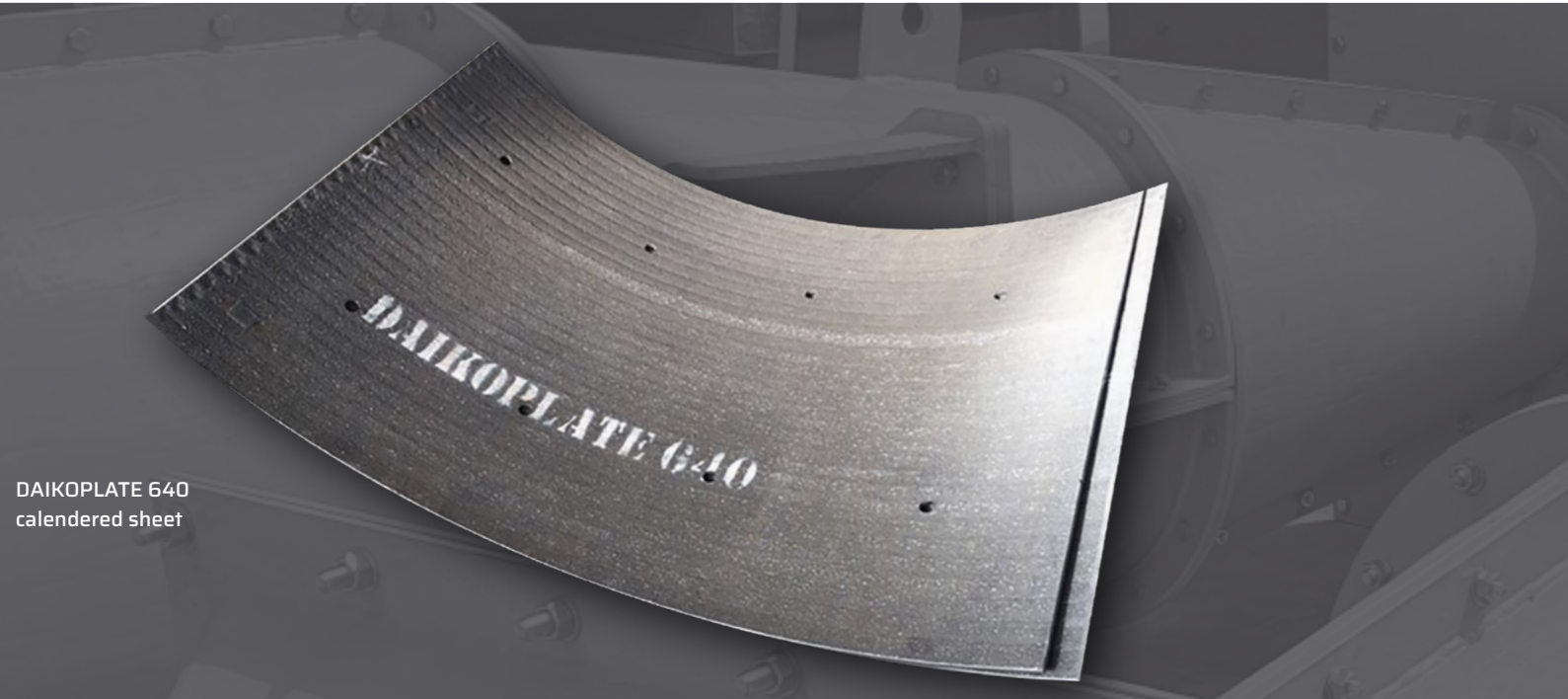


Semi-cone in DAIKOPLATE 640



Cyclone delivery at construction site

CLADDED WEAR PLATE



DAIKOPLATE 640
calendered sheet



Internal cyclone with DAIKOPLATE 640 sheet

CLADDED WEAR PLATE



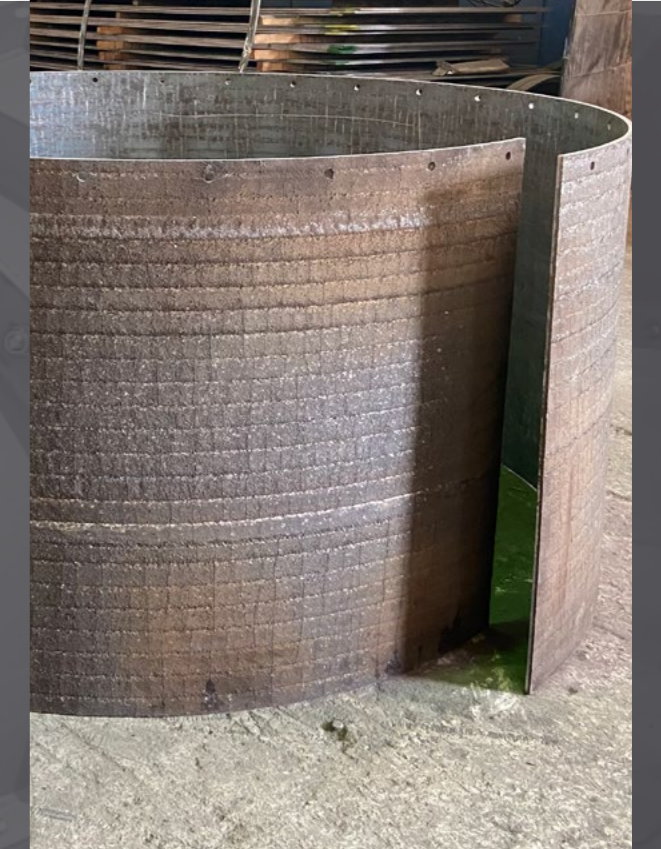
Silo for glass powder

CLADDED WEAR PLATE

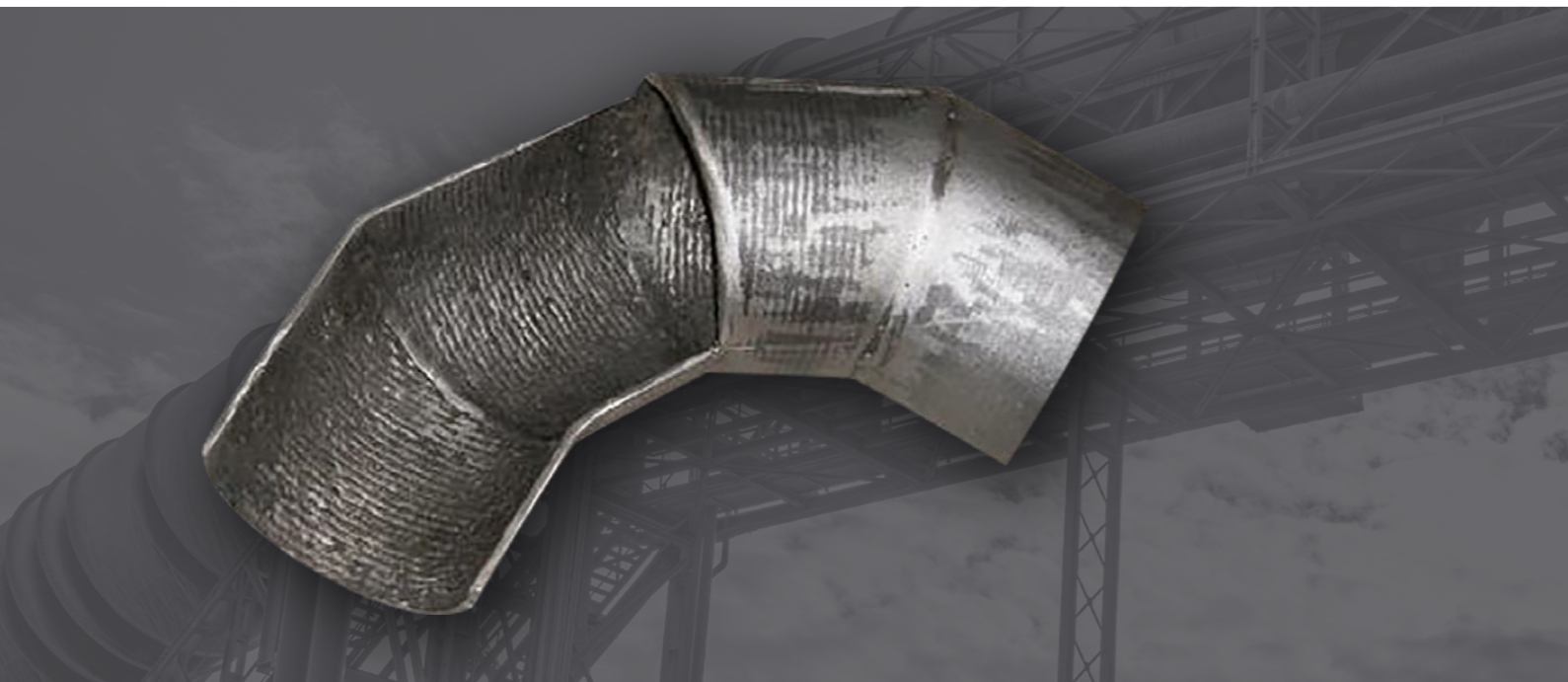


Cyclone for the wood panel production industry

CLADDED WEAR PLATE

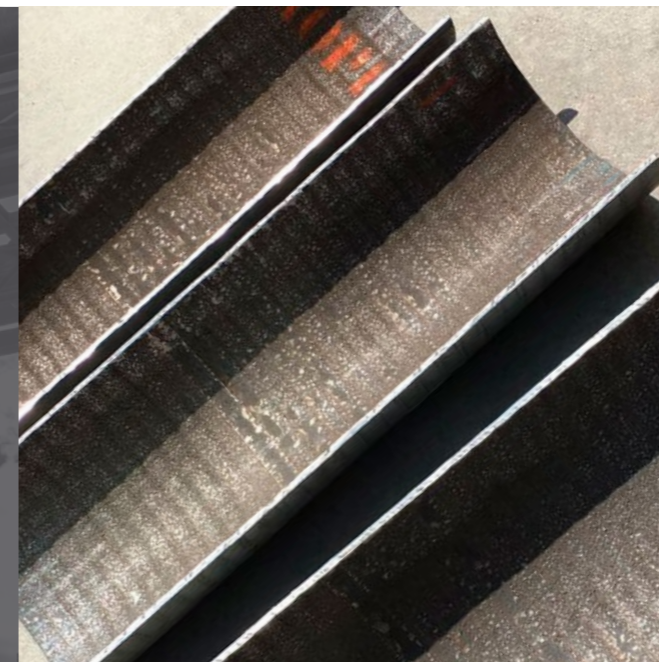


CLADDED WEAR TUBES



Dirty fume extraction pipe

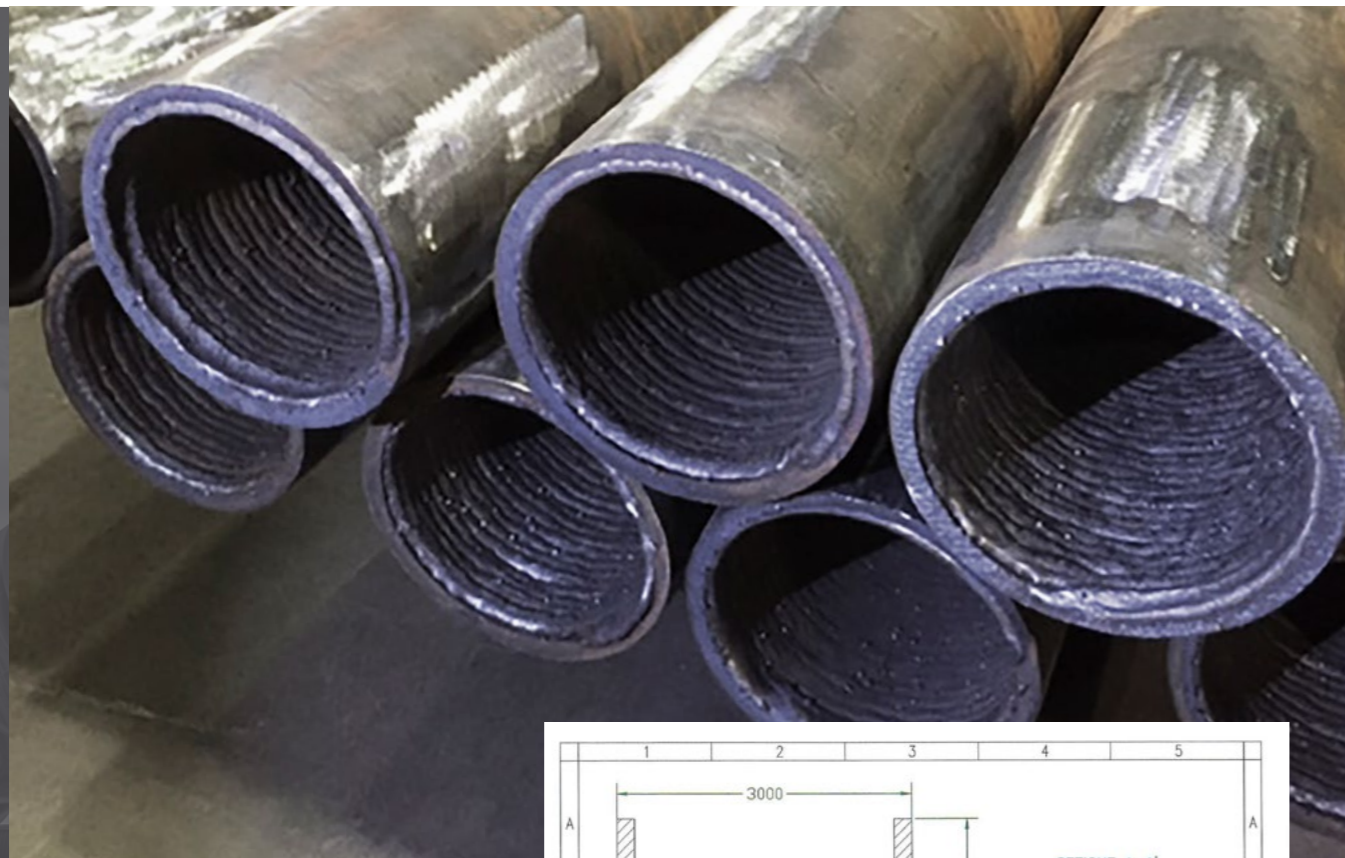
CLADDED WEAR TUBES



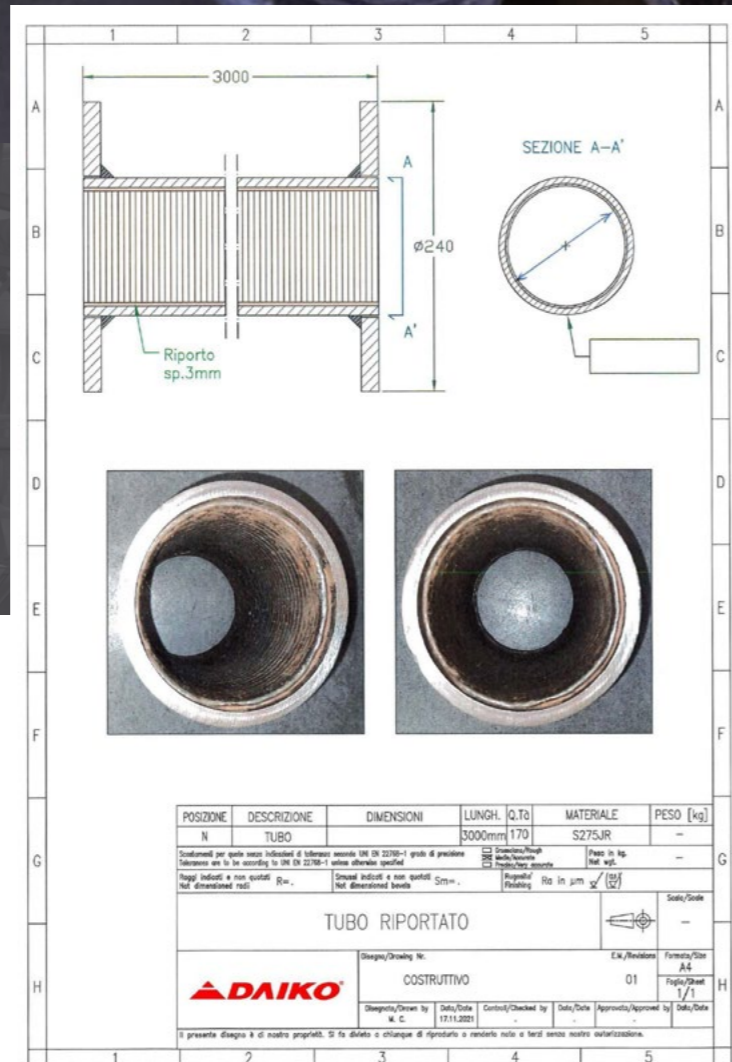
Cladded half tubes



CLADDED WEAR TUBES



DAIKOTUBE 640
ø120 x 3000mm



DAIKOTUBE
Cladded wear Tubes
Custom design

CLADDED WEAR TUBES



Pipe with two outlets



Pipes made of cladded wear plate



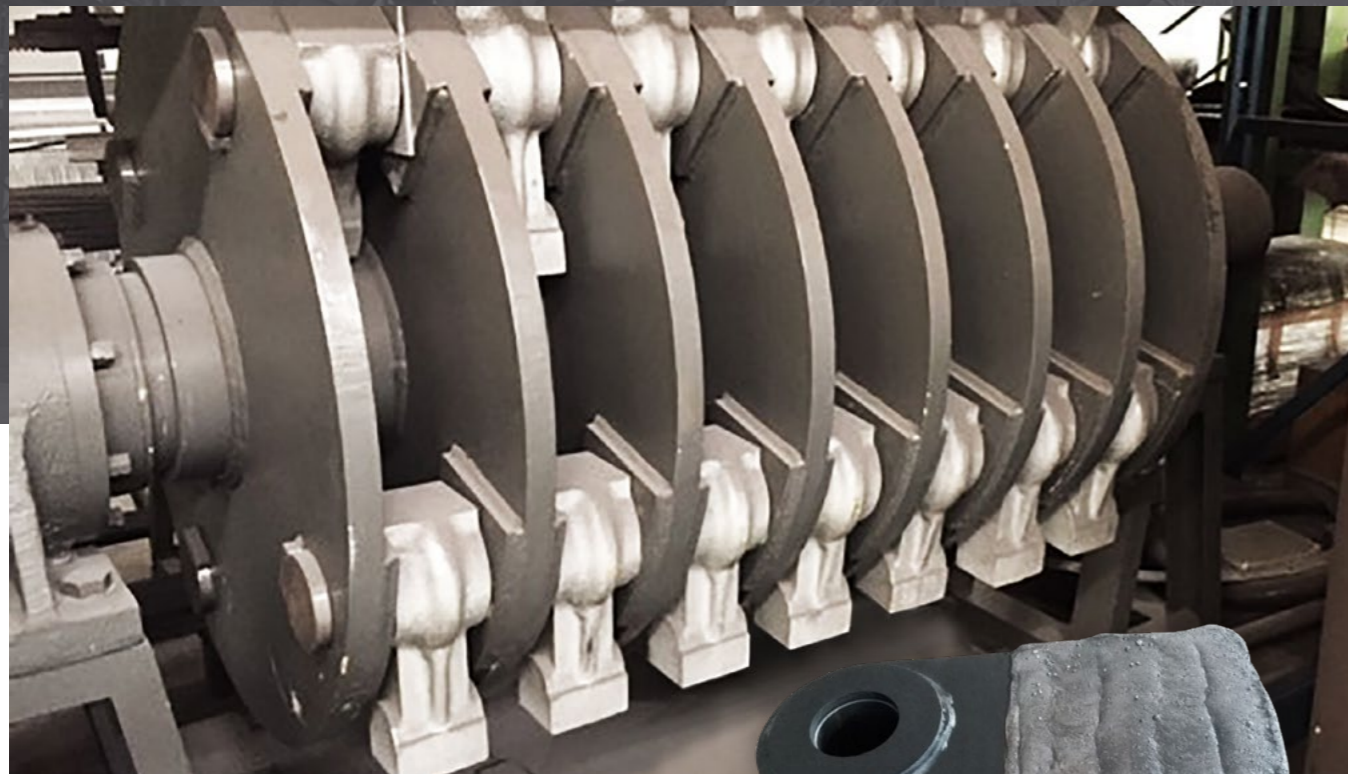
Cement shredder - Before and after regeneration



Clinker grinding roller



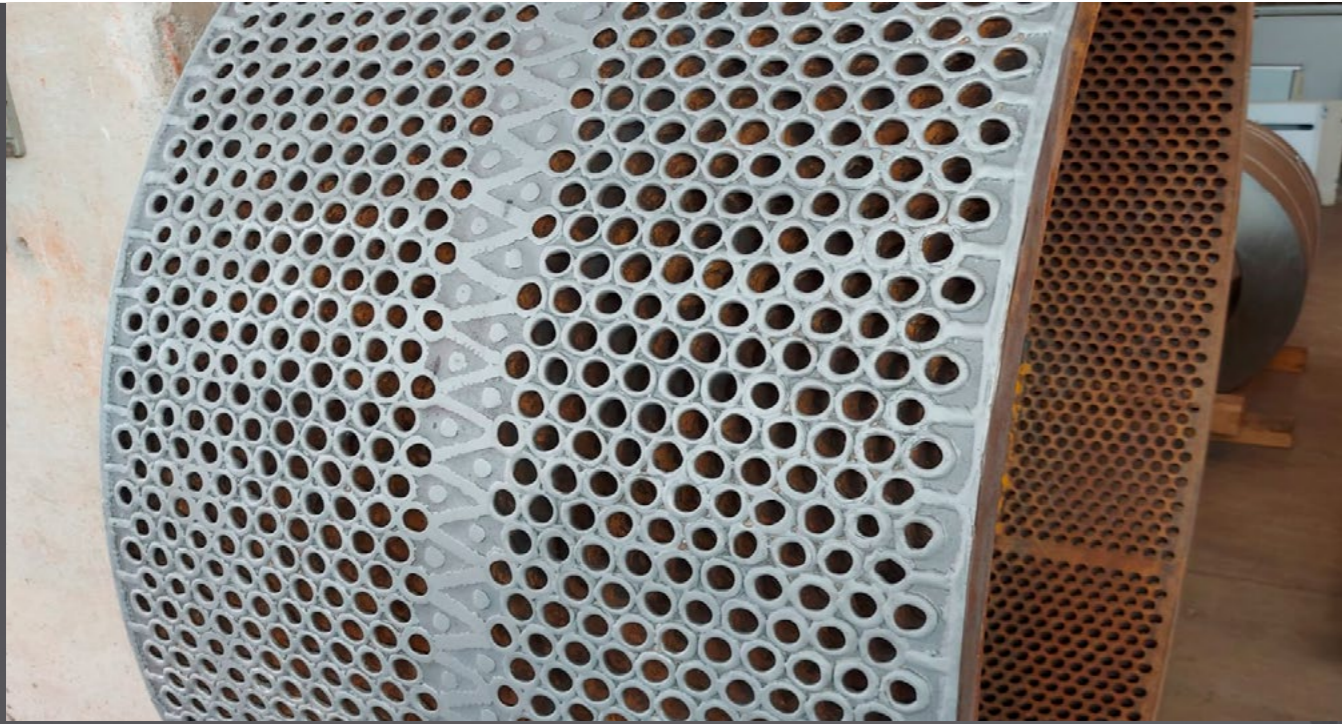
Pneumatic conveying tubes



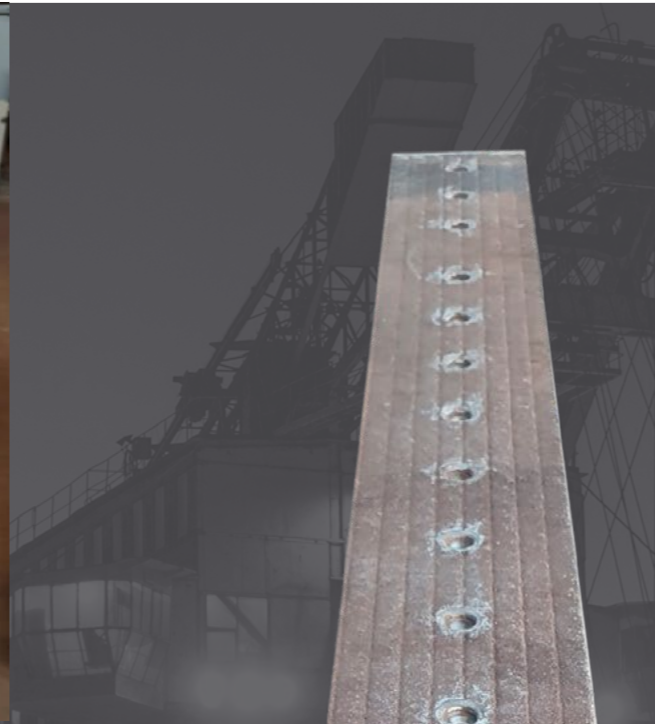
Hammer with anti-wear and anti-shock coating



Ceramic aggregates grinding cylinder - Before and after regeneration



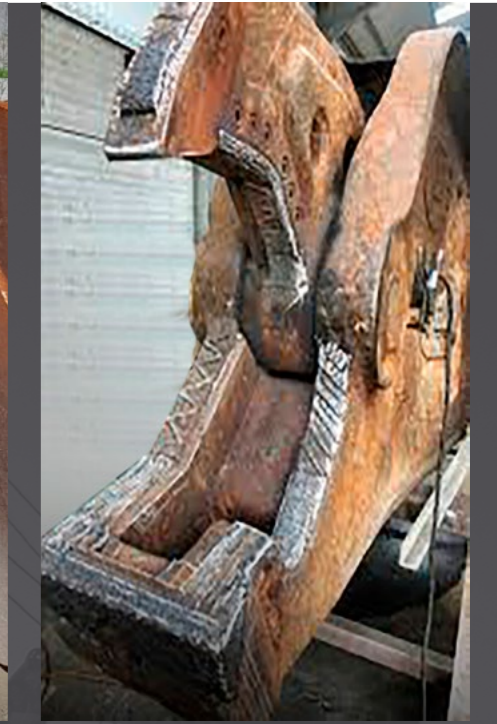
Rotary sorter



Blade for bucket



Excavator drills



Demolition pliers



Extruder propeller with anti-wear coating



Clay mixer



Bucket with wear coating



Continuous casting rollers and liners



Pinch rolls



Scrap crushing mill

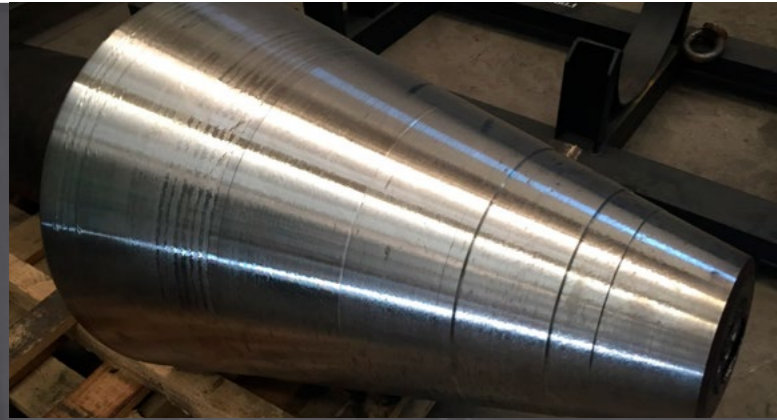


Billet rollers - Before and after regeneration



Continuous casting rollers - Before and after regeneration





Hot rolling cone - Before and during remanufacturing



Hot forging hammer



Bushing reconstruction in CuAl8



CuAl8Ni2 bronze internal coating



Flat hammer for forging



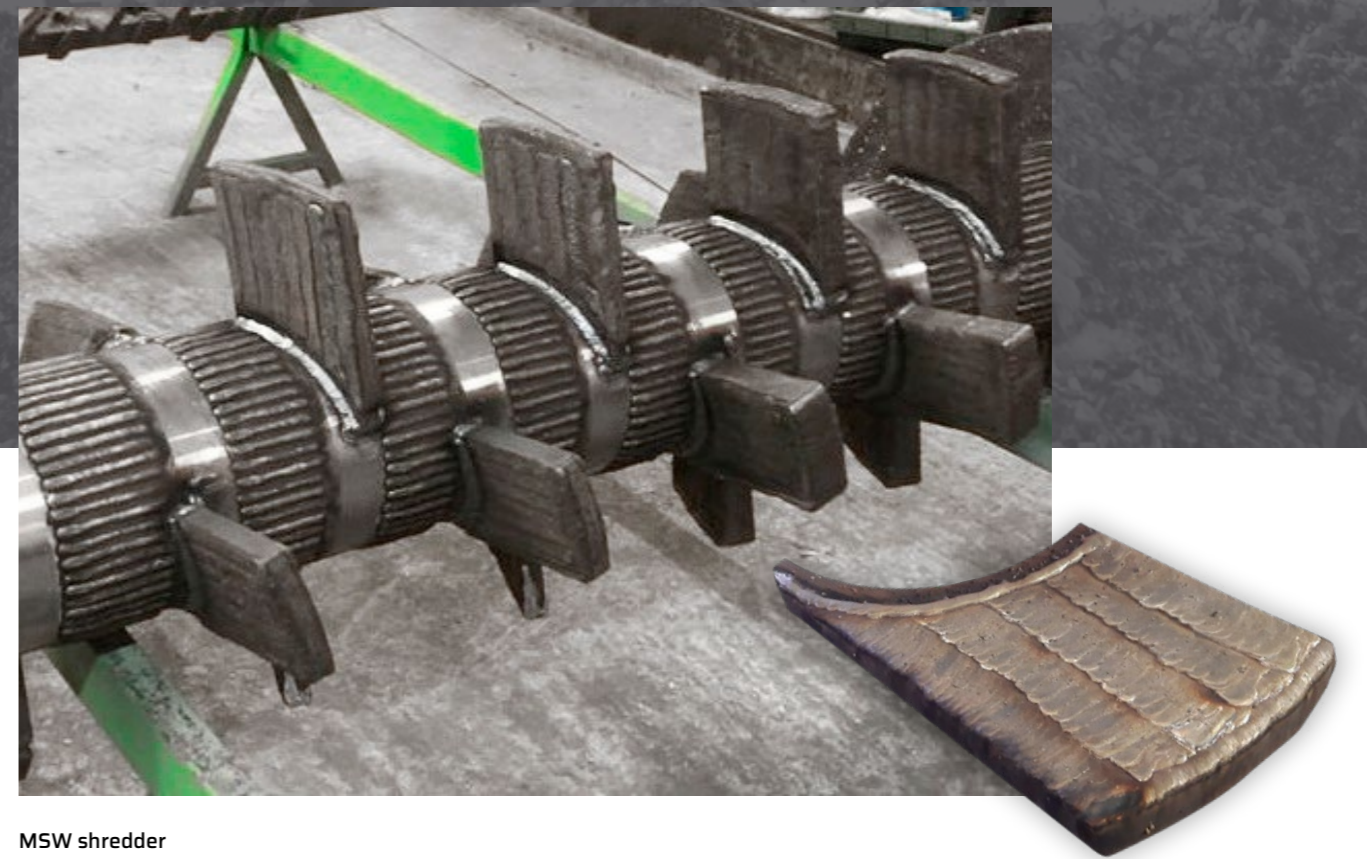
Waste shredder - Before and after regeneration



Press screws for wet waste



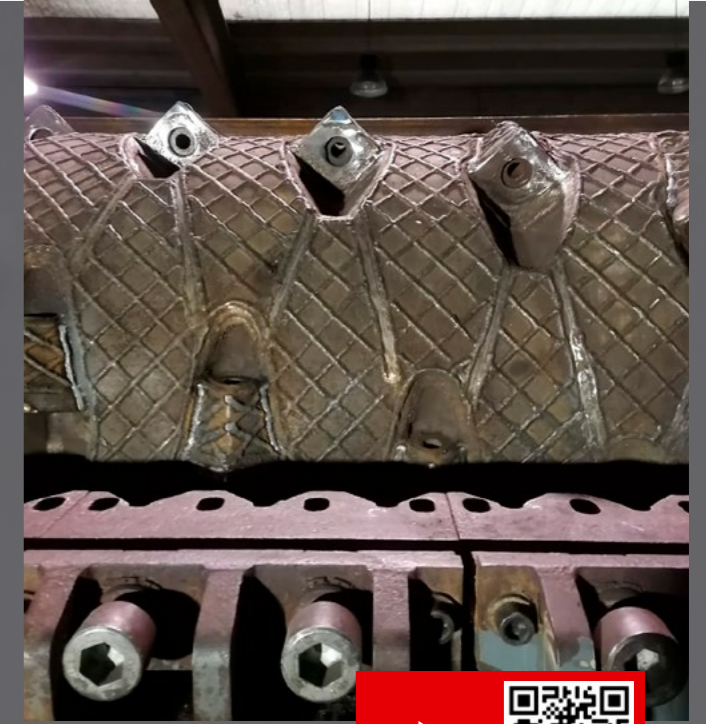
Waste shredder - Before and after regeneration



MSW shredder



Shredder spare parts - Before and after regeneration



Waste shredder - Before and after regeneration



Bulky waste shredder





Wood chipper - Before and after regeneration



Impeller and nuts with wear protection



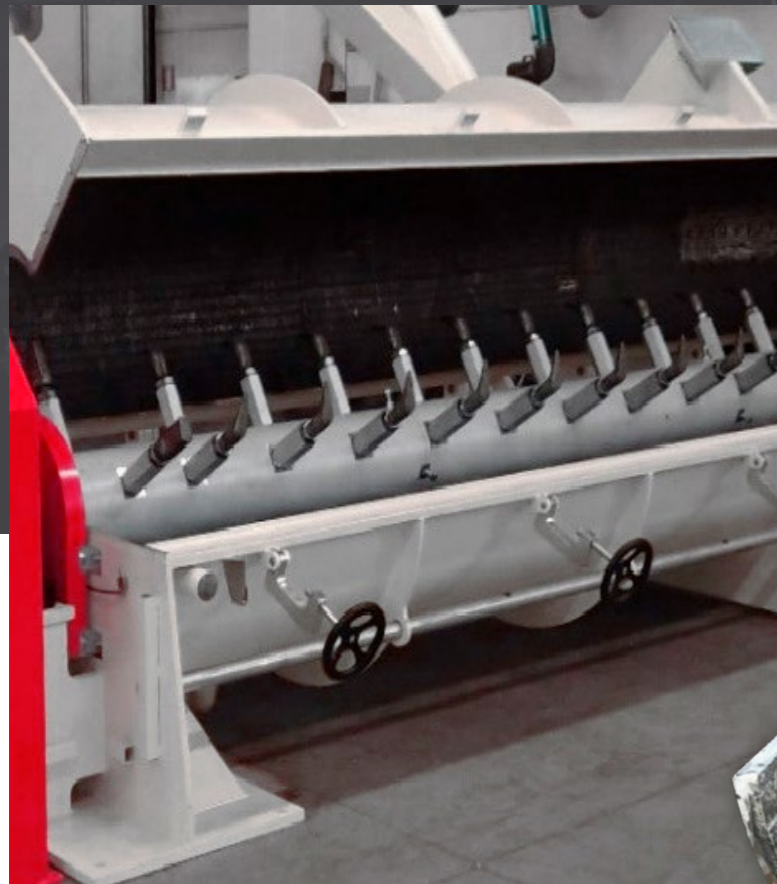
Wood and derivatives recycling shredders



Shredders counter-combs



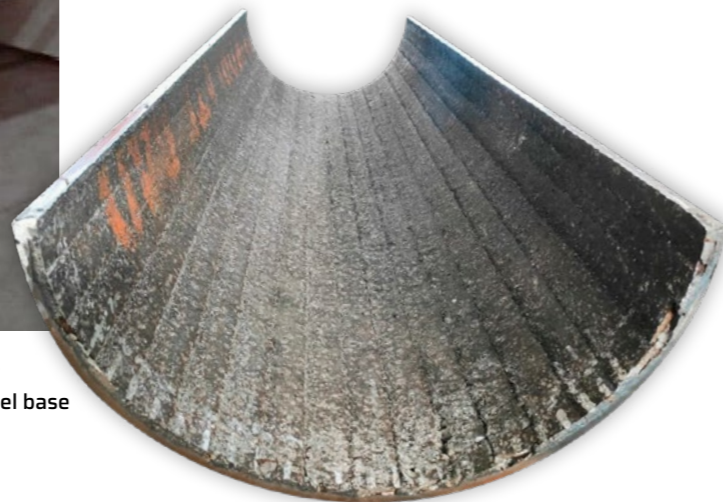
Shredder for recycled wood



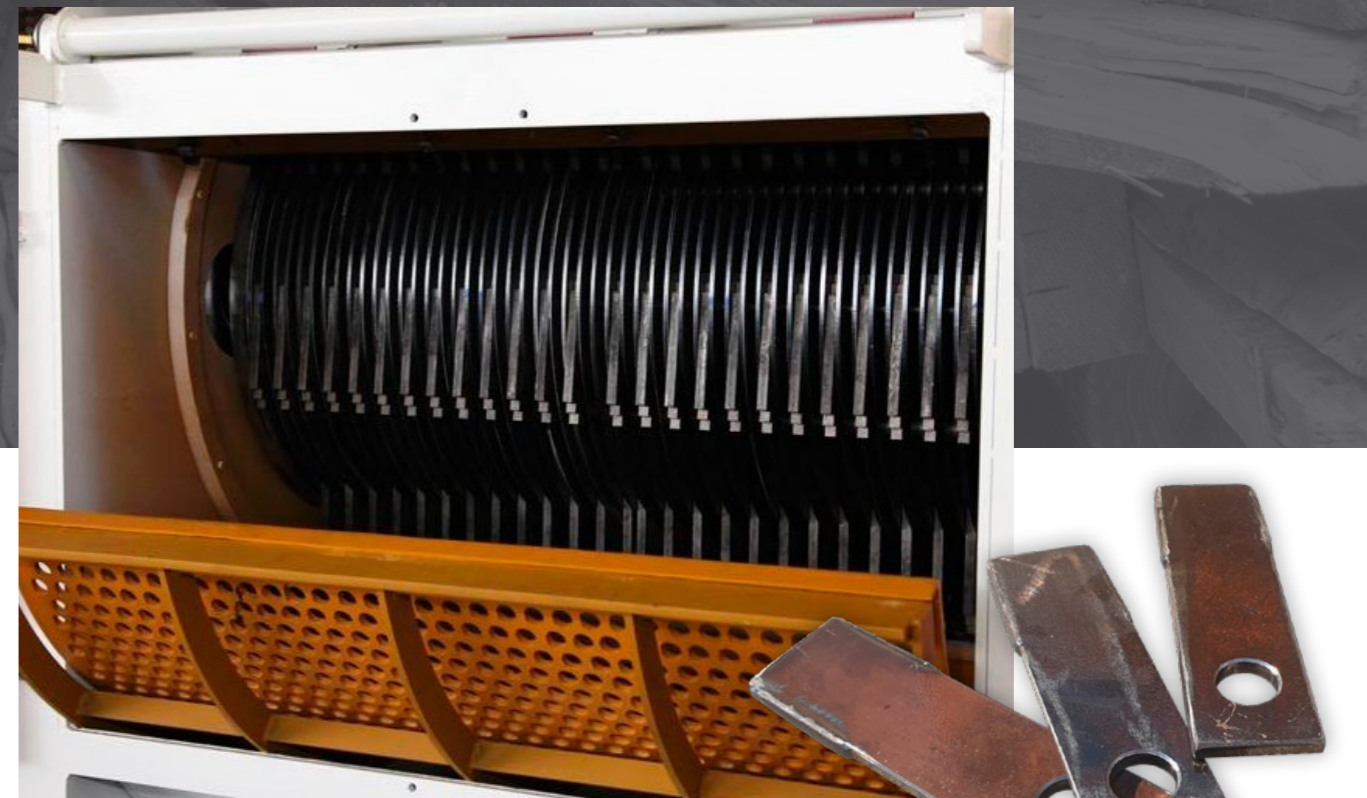
Glue Blender



Rostrums and paddles for resin machine



Coating for Glue Blender machine on stainless steel base



Hammer mill

Hammers with anti-wear coating



Vibrant slide



Primary grinding rollers



Cyclones with dispenser



Hoppers for powder and glass



Grinding roller



Mill replacement plate



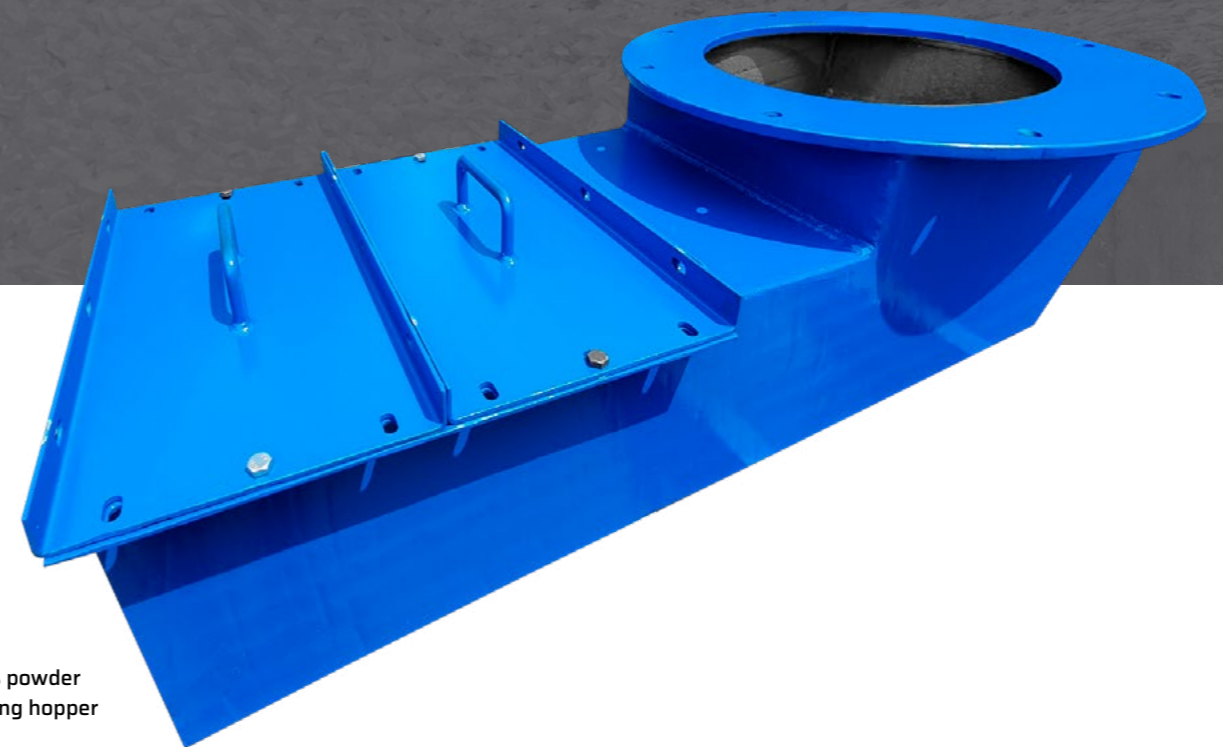
Bucket covered with clad wear plate



Glass crushing impeller



Impeller hammer with anti-wear coating



Glass powder feeding hopper



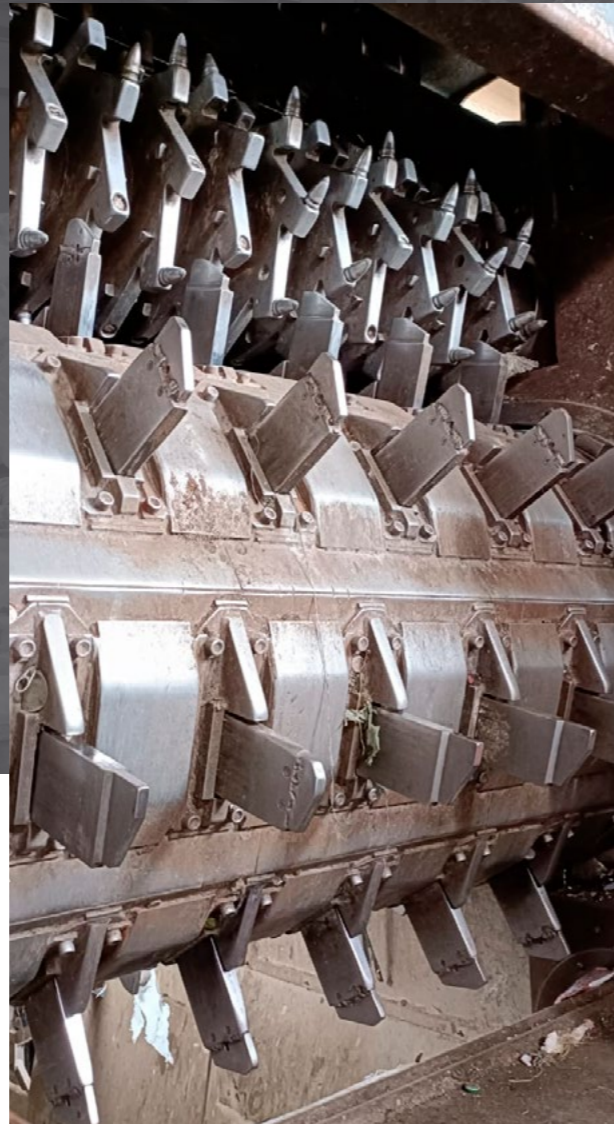
Rubber processing rotor



Screw extruder



Extruder sectors



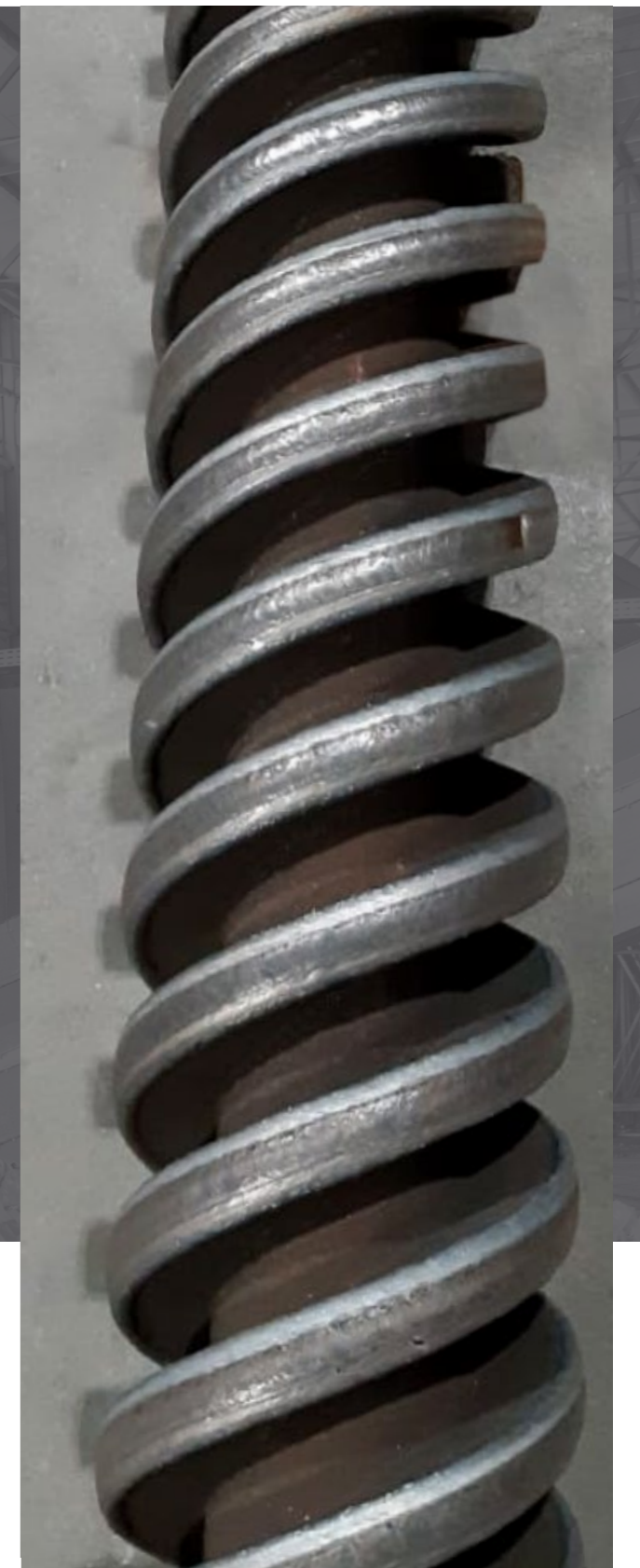
Bag opener mill



Extruder screws
Before and after regeneration



Worn screw extruders





Agricultural hoe



Shovels for foundry with tungsten carbide coating



Metallization process



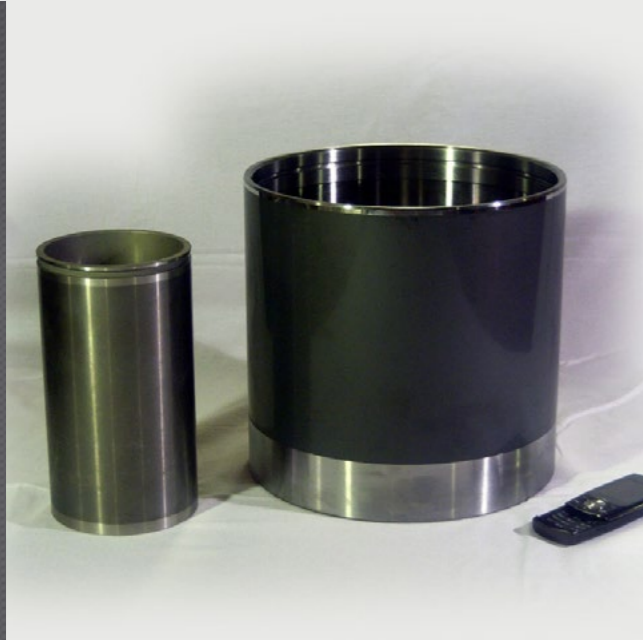
Die-cast pistons



Bushings with anti-wear coating



Thermal spraying



Sockets with tungsten carbide and chromium oxide coating



Titanium face seal



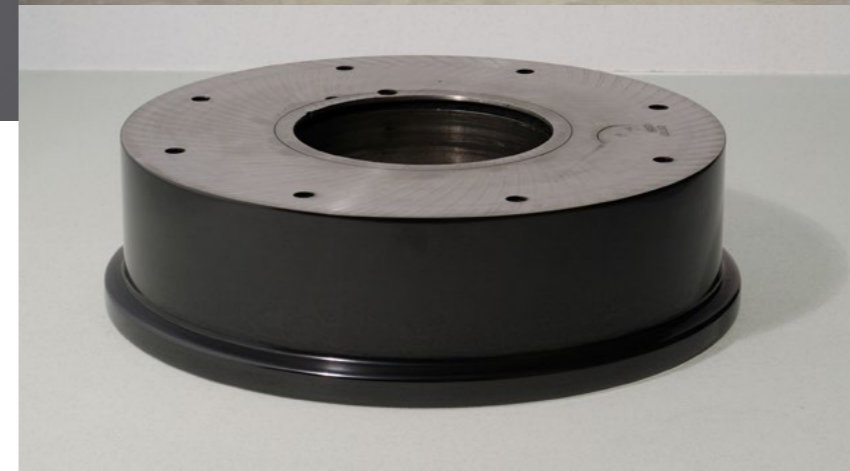
Tips covered in Widia



Titanium distributors with ceramic coating



Details with chromium oxide coating



Sliding roller with chromium oxide coating

MAINTENANCE SOLUTIONS



TOTAL QUALITY MANAGEMENT

DAIKO strives to maintain professionalism and timeliness in relation to all of its customer's needs related to both service and products. On this premise, DAIKO has adopted a certified system of Quality Management oriented toward achieving continuous improvement aimed at increasing customer satisfaction.



OFFICIAL PARTNER DUCATI LENOVO TEAM AND GOLD SPONSOR PIACENZA VOLLEY

DAIKO, following the passion for sport and an international brand enhancement strategy, is official partner of Ducati Corse in MotoGP and sponsor with Gas Sales Piacenza Volley. The typically Italian technical excellence and attention to team play are in fact deeply rooted in DAIKO's DNA.



Official Partner



DAIKO S.R.L.

Via Toscana, 3A-3B
20056 - Grezzago (MILANO) - Italy
Ph.+39 02 9090477

Via Aquileia, 13-15
31048 - S. Biagio di Callalta (TREVISO) - Italy
Ph. +39 0422 796367

LEGAL OFFICE

DAIKO S.R.L.
Viale G. G. Felissent 84/D - 31100 - TREVISO - Italy
REA 416562 VAT and T.C. IT04907220265

daikowelding.com
daiko@daikowelding.com

