

Global Wear Management Network with Local Support

Our service centers offer local technical support, while our expertise extends globally.

Our global key industry network combines the resources to solve difficult wear challenges, and our local teams implement the most cost effective and sustainable solutions.



1538 Employees



10 Supply centers



20 Service centers



31 Market centers

CUSTOMER SATISFACTION IS KEY

CUSTOMER FOCUS

- Global sales presence with sales engineers, product and key account managers
- Focus on customer needs: one face to the customer
- Partnership/long-term relationship: shared competitive advantage

GLOBAL INFRASTRUCTURE

- Multiple manufacturing/services sites as well as warehouse and logistics capabilities in Americas, Europe, AME and Japan/Asia

TECHNOLOGY LEADER

- Broad technology range covering all wear & joining applications
- Solutions based on service expertise, quality consumables and world-class equipment
- Complete application development from product to manufacturing capabilities

WELDING

- Electrodes
- TIG
- Solid and cored wires

- MMA
- MIG/MAG
- TIG
- PTA
- Plasma cutting

COATING

- Laser Cladding
- PTA
- Arc Spray
- HVOF
- Flame Spray

BRAZING

- Fluxes
- Pastes
- Rods
- Torches
- Water-based oxyfuel stations

Equipment + Consumables

Pioneering Industrial Sustainability



Concrete

Wear management solutions for the **concrete** industry



Your resource for protection, repair and joining solutions

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Pioneering Industrial Sustainability

www.castolin.com www.eutectic.com

Sustainable development based on increasing efficiency and reducing costs

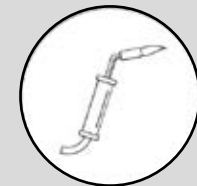
For over 100 years, our company has been a pioneer in the development and implementation of innovative solutions to industrial wear. Our technologies help customers to extend service life, minimize inventory, reduce unplanned downtime and increase efficiency, all while (maintaining/perpetuating/preserving) our deep-rooted belief in sustainability.



Services



Welding



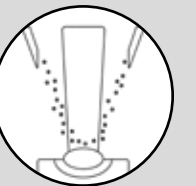
Brazing



Coating



Equipment



LaserCladding

We have transitioned from being a family owned business into a **global company** while maintaining our industry expertise, people focus and our deep rooted belief in **SUSTAINABILITY.**

SUSTAINABILITY / CARBON FOOTPRINT

SUSTAINABILITY/ CO₂ FOOTPRINT

By giving a second life to wornout damaged industrial components, we contribute to the circular economy and reduce the carbon footprint.

ENERGY SAVING/ COST SAVING

Our surface protection technologies prolong component lifespan, leading to major cost savings (no need to buy or store new parts). Critical industrial components functioning optimally consume less energy.

PRODUCT INNOVATION

We launch products & services with limited impact on the environment and safer for the operators: brazing flame without carbon and UVs, no-CMR brazing fluxes, chrome-free welding wires etc.

OUR COMPANY CULTURE

We will continuously act **ethically** and in a manner that fulfills the expectations of our **environment, customers, employees and shareholders.**



Innovation



Trust and Safety



Friendly Working Environment

Complementary solutions for concrete and precast concrete producers

We offer wear management solutions developed for critical equipment in the Concrete and Precast Concrete industries. Our welding consumables, equipment, services and training courses work together to provide a complete and complementary solution.

Product name	Base metals				Prevention against					Welding jobs				
	MD	HTS	MnS	CS	Cl	Abr	Ero	Imp	Pre	Fri	WJo	WRe	WCr	WHa
STICK ELECTRODES														
XHD 6710														
Xuper 5006														
XHD 6327														
XHD 646														
XN 2222														
Xuper 6805														
Castolin 2-44														
Solid and flux cored wires														
Safe Hard 600														
TM 4923														
DO ³ 327														
DO ³ 33														
DO ³ 05														
DO ³ 351														
CM 45351														
Braze-coating wires														
7888T														
7888C														
7888M														
Composite														
MeCaFix 100														
MeCaWear 400														
MeCaWear A5														
Services - Active protection against abrasion and erosion														
CDP [®]	We manufacture a wide range of hardfaced steel wear plates in a selection of alloys and coating thicknesses. Choose the optimal solution for your wear protection needs. Available in full sheets or fabricated parts engineered for the concrete industry's toughest wear challenges.													
CastoTubes [®]	The solution against abrasion and erosion inside pipes. Cost-effective, lightweight, easy to connect and extremely wear resistant. Inner diameters from 82 to 300 mm are possible. Built to your specifications in Elbows, Y-joints with flanges or other custom connections. Provided ready-to-assemble for full wear protection of transport pipes.													
CDC	The high-wear resistant system protects paddles and scraper blades by complex coating structure against abrasion during the mixing processes.													
Equipment	Type	Process	Mains connection	Welding current	Technology	Kg	L x B x H							
AirJet 1100	Plasmacutting		16A 3x400V	100A	Inverter	24,0	595 x 185 x 390 mm							
PowerMax 4.0	MMA		16A 1x230V	150A DC	Inverter	6,3	365 x 135 x 275 mm							
PowerMax 1800	MMA		16A 1x230V	180A DC	Inverter	8,7	425 x 160 x 285 mm							
AccuMax	MMA		16A 1x230V	150A DC	Inverter	10,9	435 x 160 x 310 mm							
XuperMig 3000	MIG/MAG		16A 3x400V	300A	Inverter	21,0	560 x 280 x 390 mm							
Legend	MD	HTS	MnS	CS	Cl	Abr	Ero	Imp	Pre	Fri	WJo	WRe	WCr	WHa
	mild steel	heat treatment steel	manganese steel	cast steel	cast iron	abrasion	erosion	impact	pressure	friction	weld joining	weld rebuilding	welding cracks	weld hardfacing
highly recommended possible not recommended														
MMA TIG MIG/MAG Plasmacutting														

Raw material preparation



Dosing tank linings



- ▶ 2-5 times longer service life over standard heat treated steel
- ▶ Reduced inventory costs - fewer new parts required
- ▶ Improved Safety - reduction in difficult-to-reach installations

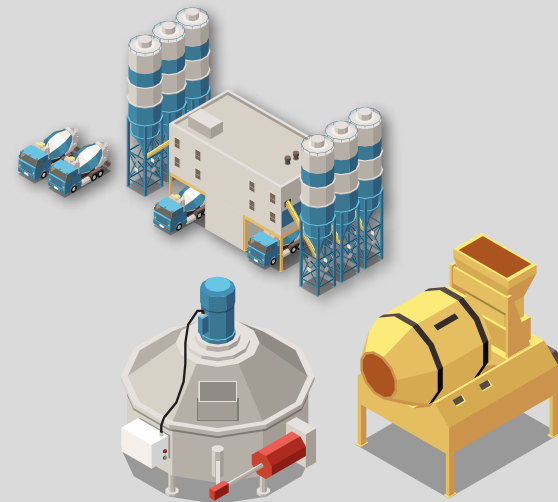
Elbows for silos



- ▶ 2-5 times longer service life over unprotected pipe elbows
- ▶ Reduction in difficult installations
- ▶ Lower maintenance costs
- ▶ Improved safety



Concrete preparation



Mixer linings



- ▶ 2-4 times longer service life dependent upon the previous solution (heat treated steel, polyurethane, cast iron, etc.)
- ▶ Resistance to chipping
- ▶ Available in different alloys and thicknesses to combat specific wear

Mixing paddles



- ▶ 2-6 times longer service life dependent upon the previous solution (heat treated steel, polyurethane, cast iron, etc.)
- ▶ Ability for multiple repairs using same wear resistant alloy in electrode form
- ▶ Available in different alloys & thicknesses to combat specific wear types

Mixer scrapers



- ▶ 2-6 times longer service life - increase dependent upon the previous solution (heat treated steel, polyurethane, cast iron, etc.)
- ▶ Available in different alloys and thicknesses to combat specific wear types
- ▶ Reduced inventory costs - fewer new parts required

The final stages of production



Drawer table plates



- ▶ 2-4 times longer service life over standard heat treated steel
- ▶ Reduced labor costs
- ▶ Mounting system with screws

Concrete spreader



- ▶ 4-6 times longer service life over 400HB steel (Spreader floor)
- ▶ 2-3 times longer service life over CrC-hard alloys (Auger)
- ▶ Custom solutions available

Extruder elements for hollow-core slab production



- ▶ Up to 8 times longer service life
- ▶ As the forming sleeves wear, more concrete is required to cast. Our solution increases sleeve life maintaining a consistent flow of material longer, keeping the entire system operating efficiently
- ▶ Less transportation issues

THE CHALLENGE

Wear and corrosion cost heavy industry millions annually, affecting a company's bottom line. Fortunately, worn or broken parts can be restored and protected from future wear through careful planning and the right business partner.

Maintenance and repair is a highly technological and specialized business, which should be done by experienced experts who always use state-of-the-art processes. Facing the daily **production problems** and the **shortage of skilled welders**, many companies have already made the decision: they prefer to focus on their core competences and **outsource maintenance & repair**, wearfacing or production of wearfaced parts to external partners.

Castolin Eutectic will help manage your wear challenges to avoid prolonged production shutdowns, minimize spare parts inventories and reduce unsafe working conditions in a sustainable way.

Our unique Castolin Services solutions

Our Castolin Services network of specialized service shops will bring you a unique approach to your needs in maintenance repair and all wearfacing solutions.

We offer:

- Turnkey maintenance and surfacing solutions
- Wear analysis and site surveys
- High level of expertise, continuous innovation
- State-of-the-art technologies for the best solution
- Speed of response and flexibility
- A partnership to lower your costs
- Cut your investments in welding and coating equipment
- High level of expertise, continuous innovation

SHARING KNOW-HOW FOR WELDERS, ENGINEERS AND MANAGING DIRECTORS

Our commitment to excellent customer service means providing first-class training available globally to customers and end-users. Castolin Eutectic has trained thousands of technicians from all over the world and training centres have been established in most countries with training programmes offered in a wide variety of languages. We offer a wide range of courses starting from one-day welding courses to full-week maintenance seminars. For welders, engineers, researchers, managing directors - there's no limit to the range of technical and professional people trained by Castolin Eutectic in all aspects of industrial cost-savings, wear, repair and preventive maintenance.

INDUSTRIAL SEMINARS PRACTICE AND THEORY

We provide solutions to all of the major companies operating in industry with global industrial programs for steel, cement, mining, power, oil, waste & recycling, etc. Supporting maintenance technicians in their daily challenges is our routine, so training courses in specific industries are also conducted where similar language groups can learn and exchange cost-saving solutions. Depending on your requirements, courses can comprise 100% practice, 100% theory, or a mixture of both, and are available in a written form for several product groups and technologies.