



We Engineer The Future

TECHNOLOGY

Sawing Machines | Pipe Production Machines | Roll Shop Machines

MANUFACTURING

SPARES & SERVICE

www.lazzarigroup.com

Going beyond
the limits
of technology
when designing
and creating
our systems

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Lazzari's focus is to fulfill all the customer's needs and necessities in all aspects of their experience. Starting from Sales, the cost calculation team prepares tailor made offers while the engineering team develops both new technologies and custom made solutions for any kind of production line.

Thanks to its skilled workforce, Lazzari is able to operate a complete workshop that allows us to both manufacture and test all the products we produce in-house.


The financial and administrative team supports all Lazzari customer's needs well beyond the product order, creating a long lasting relationship with you.

Lazzari is structured according to Lean principles that improves the efficiency through well analyzed processes of its different value streams.

The main branch is Lazzari Technology, where we express the full capability and expertise to engineer, produce and put into operation our know-how based machines related to different fields: Carbide tipped circular sawing machines, oil and gas pipe finishing machines and roll-shop machines for flat product rolling mills.

The second activity is Lazzari Manufacturing, where we display our capability to develop, engineer and manufacture machines based on customer know-how for all sectors of the steel industries.

In addition, we take care of our customers through the Spare Parts & Services Department, both for Lazzari Technology and for the Manufacturing Branch, with a predictive maintenance and spare parts procurement system, as well as a machine revamping service to update products to better meet the evolving needs of the industry.



ABOUT US

For over seven decades, Lazzari has continuously pushed the boundaries of innovation through their steadfast commitment to research and development, striving for nothing less than excellence in a world that is constantly evolving and fiercely competitive. With a team of highly skilled professionals who are dedicated to providing exceptional customer care and attentiveness, the core values of Lazzari are deeply embedded within:

- INNOVATION
- PERFORMANCE
- RELIABILITY

Our vision is to bring new technologies to the forefront of the industry, creating a sustainable future for the workers and the environment at large, promoting a better industry for all.

**SAWING MACHINES
PIPE PRODUCTION MACHINES
ROLL SHOP MACHINES**

Lazzari Technology is composed of three different types of products.



Sawing machines products

are composed of steel cutting machines with carbide tipped circular saw blades, capable of cutting billets, tubes and profiles both in single and in layer composition and additionally single slabs.

These machines can be installed according to the customer's needs in either production lines or in standalone / detached configurations, with additional material handling facilities.



Pipe production Machines

products are capable of special operations on the whole pipe production line, with additional pipe handling solutions as to best fit the customer production needs.



Roll-shop Machines

are focusing on rolls and chocks maintenance for ferrous and non-ferrous strip rolling mills, providing all the necessary devices for efficient and safe maintenance.

Sawing Machines

Lazzari Technology



THE SAWING MACHINES CATEGORY IS COMPOSED OF FOUR PRODUCTS:

- Vertical Saw for single piece
- Vertical Saw for material layers
- Horizontal saw for slabs
- Inclined saw for rail cutting

THE MAIN CHARACTERISTICS OF THE LINEUP ARE:

- Different section cutting ability
- Maximum stability through strong welded steel bedplate
- Automatic backlash compensation through a reduction gearbox and helicoidal gears
- Safety joint for gear wheel protection
- Strong horizontal and vertical clamping system for secure hold of material
- Kerf opening system for reduced saw blade feedback
- Saw blade vibration damping system for longer blade durability
- Centralized air mist lubrication and cooling system
- Saw blade teeth cleaning with high efficiency rotating brush
- Chip conveyor system for smooth evacuation of cutting chips
- LMB cutting technology and traditional welded-tips blades
- Complete hydraulic system
- Automation systems complete with control desk with PLC to control cutting cycle, diagnostic systems with failure preventative alarms.

ADDITIONAL EQUIPMENT:

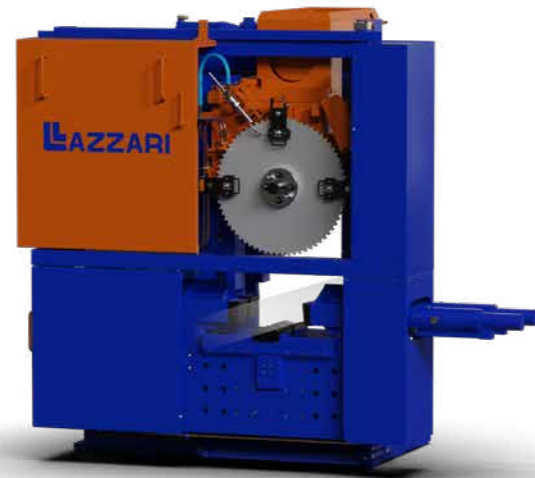
- Customized in-feed and out-feed system for production line integration
- Customized system for measure cutting
- Windows PC remote control system
- Sawblade wear control system
- Remote assistance services



Single Cut

Sawing Machines

Lazzari Technology



FEATURES

- Dual axis clamping system with three contact points to securely hold the working piece
- LMB cutting technology to cut wider variety of materials
- Anti backlash system for precise and reliable cuts
- Smart operator interface to control the machine in all of its working applications

APPLICATIONS

- Bar production
- Tube & pipe production
- Profile production
- Rail wheels production
- Forging

FOR ADDITIONAL PRODUCTION LINE INTEGRATION LAZZARI OFFERS TAILOR-MADE SOLUTIONS FOR:

- Material in-feed and out-feed from the machine
- Material positioning for precise cutting length
- Chips and Scraps discharging devices for improved productivity over multiple cuts

<2 MINUTES FOR 400ØMM

Type	Saw blade	Material	Material
Single cut	Ø/mm	Dia. mm	X x X max mm
(*)S900	400 - 900	40 - 280	260 x 260
(*)S1100	600 - 1100	60 - 380	320 x 320
(*)S1400	900 - 1400	140 - 480	420 x 420
(*)S1700	1100 - 1700	250 - 550	520 x 520
(*)S1900	1400 - 1900	300 - 640	580 x 580
(*)S2200	1500 - 2230	400 - 830	680 x 680

(*) B=Bar - T=Tube - P=Profile



Layer Cut

Sawing Machines

Lazzari Technology



FEATURES

- Horizontal and vertical layer clamp for high stability cut
- Suitable for cutting solid and hollow sections in efficient way
- Always clean and precise cutting surface

APPLICATIONS

- Bar production
- Tube & pipe production
- Profile production

FOR ADDITIONAL PRODUCTION LINE INTEGRATION LAZZARI OFFERS TAILOR-MADE SOLUTIONS FOR:

- Material in-feed and out-feed from the machine
- Material positioning for precise cutting length
- Chips and Scraps discharging devices for improved productivity over multiple cuts

<10S/PIPE CUTTING CYCLE

Type	Saw blade	Layer
Layer cut	Ø/mm	Width / High mm
(*)L900	400 - 900	550 / 15 - 180
(*)L1100	600 - 1100	700 / 15 - 240
(*)L1400	900 - 1400	900 / 25 - 300
(*)L1700	1100 - 1700	1100 / 40 - 360
(*)L1900	1400 - 1900	1300 / 80 - 420
(*)L2200	1500 - 2230	1500 / 160 - 500

(*) B=Bar - T=Tube - P=Profile

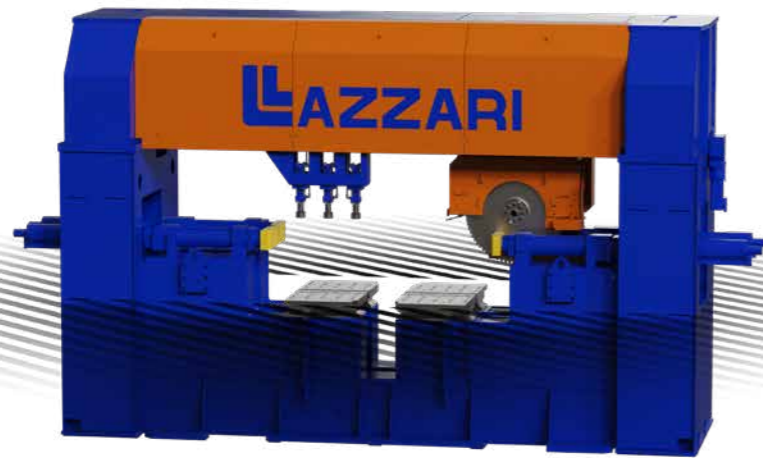




Plates Cut

Sawing Machines

Lazzari Technology



FEATURES

- Suitable to cut wide surfaces with high precision and speed
- LMB cutting technology for reduced maintenance costs
- Smart operator interface for seamless machine operating times
- Dual axis clamping system to securely hold the working piece

APPLICATIONS

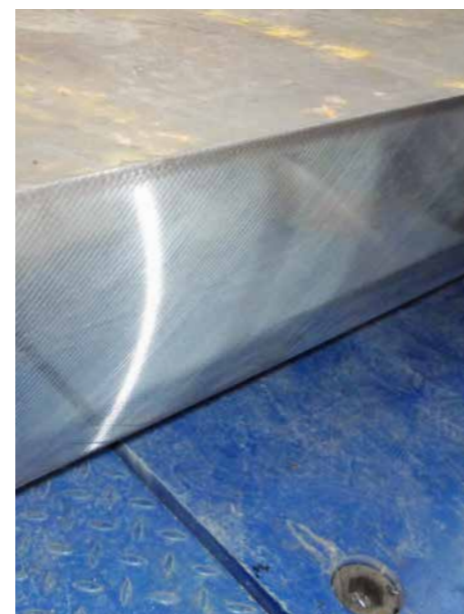
- Plate production
- Plate distributors

FOR ADDITIONAL PRODUCTION LINE INTEGRATION LAZZARI OFFERS TAILOR-MADE SOLUTIONS FOR:

- Material in-feed and out-feed from the machine
- Material positioning for precise cutting length
- Chips and Scraps discharging devices for improved productivity over multiple cuts

<10 MINUTES CUT TIME FOR 2500X400MM STEEL

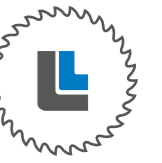
Type	Saw blade	Plate Width / High
Single plate	∅/mm	mm
HS1000	700-1000	2000 / 250
HS1400	900-1400	2500 / 400
HS1800	1300-1800	3000 / 600



Rails Sawing and Drilling

Sawing Machines

Lazzari Technology



FEATURES

- Anti backlash system for precise and reliable cuts
- Inclined cut for more stable and reduced cutting time
- Perform shadow drilling at cutting time to reduce total machine cycle
- Smart operator interface for seamless machine operating times
- Always clean and precise cutting surface

APPLICATIONS

- Rail production
- Rails reconditioning center

FOR ADDITIONAL PRODUCTION LINE INTEGRATION LAZZARI OFFERS TAILOR-MADE SOLUTIONS FOR:

- Material in-feed and out-feed from the machine
- Material positioning for precise cutting length
- Chips and Scraps discharging devices for improved productivity over multiple cuts

<30S CUTTING AND DRILLING CYCLE

Type	Saw blade	Rail Width / High	Drill Type
Single rail	∅/mm	mm	
RS800	400-800	90-300 / 90-300	Only saw
RS800-D3	400-800	90-300 / 90-300	3 holes drill
RS800-D6	400-800	90-300 / 90-300	6 holes drill



PIPE PRODUCTION MACHINES ARE COMPOSED OF SEVEN DIFFERENT TYPES OF PRODUCTS:

- Coupling makeup machine
- Drifter machine
- Leak tester machine
- Facing and Beveling for pipes
- Straightening machine for pipes
- Slotting machine for pipes
- Screwing mandrel machine

PRODUCT LINE STRENGTHS ARE:

- Complete coverage from 20 mm to 500mm diameter pipes
- Finishing lines for both seamless and welded pipes
- High machine productivity and reliability
- Both standalone and production line deployment
- Self contained hydraulic system
- Centralized grease lubrication system
- Electric control panels complete with PLC for machine control and full diagnostic system with preventative failure measures.

ADDITIONAL EQUIPMENT:

- Fully customized pipe handling systems for better production line integration
- Remote control system through Windows Implementation
- Comprehensive tele-maintenance service

**MECHANICAL FIXED TIPS
CIRCULAR SAW BLADES**

Lazzari's R&D resources have been focused on the study of a better solution for saw blades, resulting in the creation of LMB.

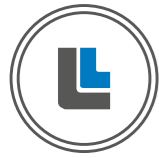
The LMB technology allows better cutting performance with higher productivity rates, thanks to the longer life and interchangeability of the blade tips.

This also allows a wider range of materials to be cut by the blade, such as carbon steel, non-ferrous metals and high alloy & stainless steel.

By implementing LMB, you can see a reduction in the amount of storage space taken up by whole blades, at the same time it allows the quick repair of a single blade tip rather than the whole blade in the event of a breakage.

Moreover, LMB empowers all operators to handle the repair process, eliminating the need for external regrinding facilities, further reducing costs and enhancing sustainability.

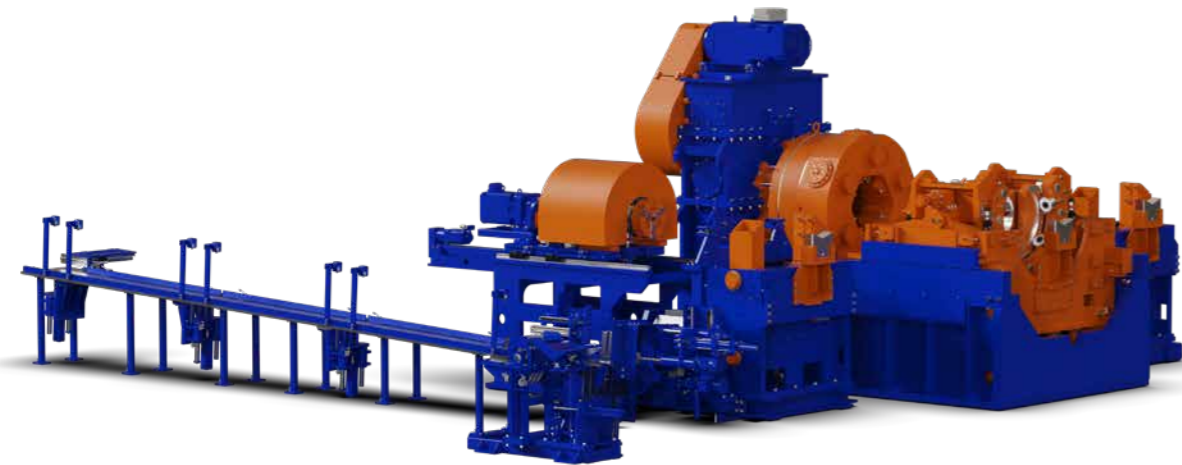




Coupling Makeup Machine

Pipe Production Machines

Lazzari Technology



FEATURES

- Accurate detection of torque and coupling position during screwing operation
- Complete report with diagrams and parameters with local visualization and data storage
- Automatic and accurate thread dope application

APPLICATIONS

- Pipe production
- Pipe Finishing Lines

FOR ADDITIONAL PRODUCTION LINE INTEGRATION LAZZARI OFFERS TAILOR-MADE SOLUTIONS FOR:

- Material in-feed and out-feed from the machine
- Can be coupled with Lazzari drifter machine for longer tubes on customer request
- Robotic automatic coupler loader



FULLY AUTONOMOUS COUPLING AND PIPE PROCESSING

Model	Pipe diameters	
	mm	inch
CM200-SD (*)	26,7 - 196,85	1,050" - 7 3/4"
CM300-SD (*)	114,3 - 298,45	4 1/2" - 11 3/4"
CM400-SD (*)	196,85 - 406,4	7 3/4" - 16"
CM500-SD (*)	298,45 - 508,0	11 3/4" - 20"

Low Torque	Hight Torque
LT	HT

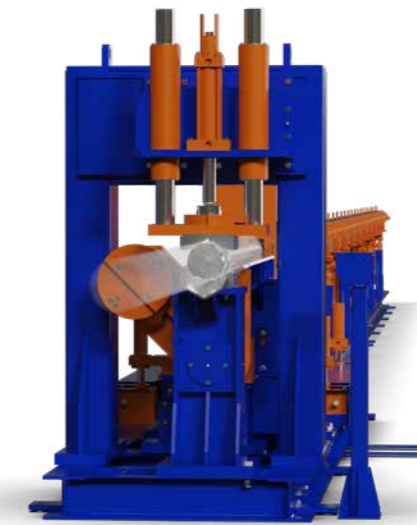
(*) Upon request With Long Drifter -LD instead of -SD



Drifter Machine

Pipe Production Machines

Lazzari Technology



FEATURES

- High speed and precise pipe diameter testing
- Length-based imperfection mapping
- Smart operator interface for repeatable and reliable testing in all environments

APPLICATIONS

- Pipe production
- Pipe Finishing Lines

ADDITIONALLY LAZZARI CAN TAKE CARE OF ALL MATERIAL HANDLING IN AND OUT OF THE MACHINE.



<20S Ø10" X 12M

Model	Pipe diameters	
	mm	inch
LD200	60,3 - 177,8	2 3/8" - 7"
LD300	168,3 - 298,5	6 5/8" - 11 3/4"
LD400	168,3 - 406,4	6 5/8" - 16"
LD500	168,3 - 508	6 5/8" - 20"

Min. inner pipe diameter
40mm for LD200
140 mm for LD300 and over

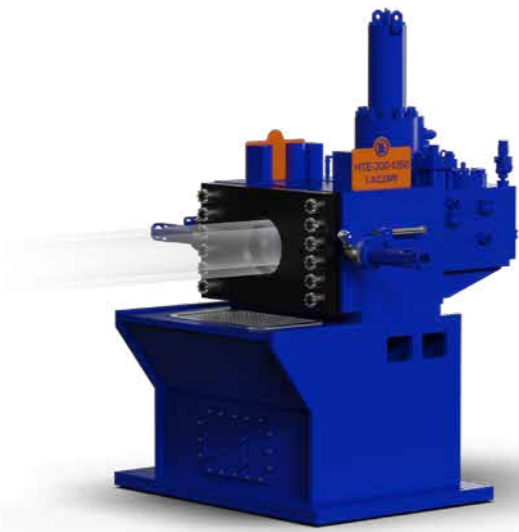




Leak Tester Machine

Pipe Production Machines

Lazzari Technology



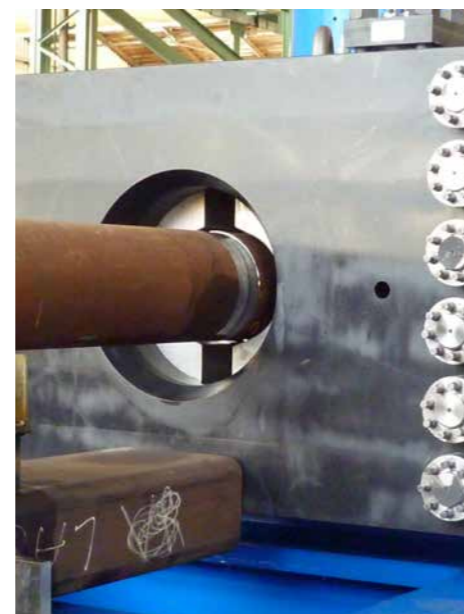
FEATURES

- Low and high static pressurization testing of pipe with coupling
- Pressurization diagram and parameter report recording
- Implementation for simultaneous double pipe testing

APPLICATIONS

- Pipe production
- Pipe Finishing Lines

LAZZARI CAN TAKE CARE OF THE MATERIAL HANDLING FOR INFED AND OUTFEED MATERIAL TO THE MACHINE



15 SECONDS COMPLETE MACHINE CYCLE

Model	Pipe diameters	Pipe diameters
	mm	inch
HTE200/(*)	26,7 - 196,85	1,050" - 7 ¾"
HTE300/(*)	114,3 - 298,45	4 ½" - 11 ¾"
HTE400/(*)	196,85 - 406,4	7 ¾" - 16"
HTE500/(*)	298,45 - 508,0	11 ¾" - 20"

(* Testing Pressure

MPa (Bar)

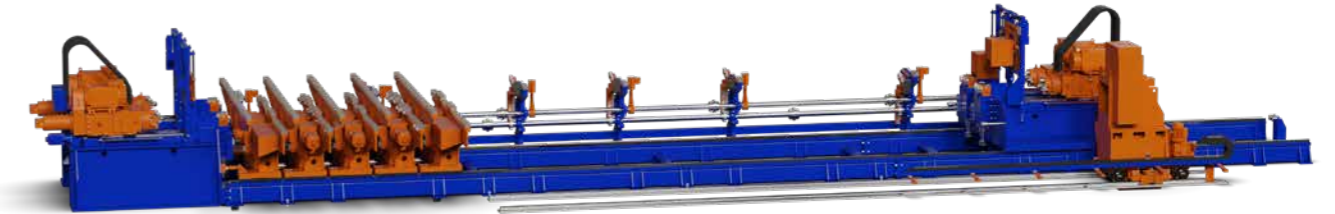
80 (800)

135 (1350)

Facing and Beveling Machine

Pipe Production Machines

Lazzari Technology



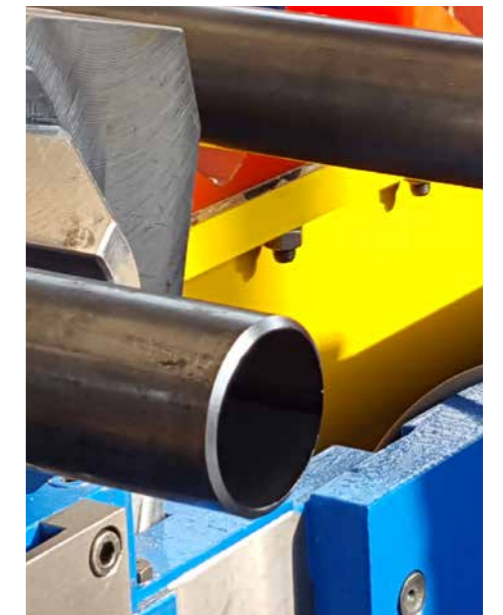
FEATURES

- Single or Double work header for faster production times
- Tools capable of wide variety of beveling profiles
- Seamless production line integration thanks to smart operator Interface integration thanks to smart operator interface

APPLICATIONS

- Pipe production
- Pipe Finishing Lines

ADDITIONALLY LAZZARI CAN TAKE CARE OF ALL MATERIAL HANDLING IN AND OUT OF THE MACHINE.



CAPABLE TO WORK ON 900 PIPES/HOUR

Model	Pipe diameters	Pipe diameters
	mm	inch
FB200	26,7 - 196,85	1,050" - 7 ¾"
FB300	114,3 - 298,45	4 ½" - 11 ¾"
FB400	196,85 - 406,4	7 ¾" - 16"
FB500	298,45 - 508,0	11 ¾" - 20"

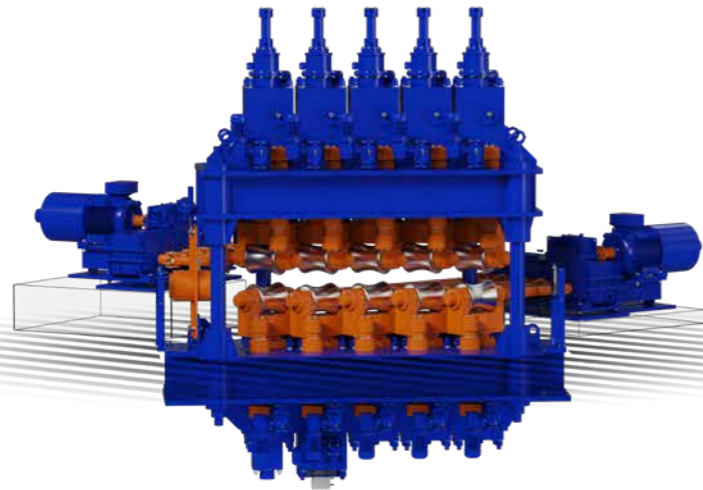




Straightening Machine for Pipes

Pipe Production Machines

Lazzari Technology



FEATURES

- Seamless production line integration
- Capable of working from 25mm to 500mm pipe diameters
- Twin engine setup for maximum operating speed
- Automatic regulation to pipe recipe for optimized operations

APPLICATIONS

- Tube & pipe production
- Pipe Finishing Lines

LAZZARI CAN SUPPLY THE INDIVIDUAL PIPE ENTRY AND EXIT CHANNELS



3M/S MATERIAL INFEED

Model	Pipe diameters	
	mm	inch
RT200(*)-(**)	26,7 - 196,85	1,050" - 7 3/4"
RT300(*)-(**)	114,3 - 298,45	4 1/2" - 11 3/4"
RT400(*)-(**)	196,85 - 406,4	7 3/4" - 16"
RT500(*)-(**)	298,45 - 508,0	11 3/4" - 20"

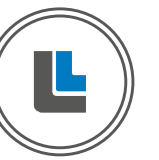
(*) Pipe temperature	
<400°C	>400°C
C	H

(**) Roll number	
6	10

Slotting Machine for Pipes

Pipe Production Machines

Lazzari Technology



FEATURES

- High machine throughput thanks to full-length work area
- Multi-blade spindle allows for modular slot layout
- Independent cooling system for both self sufficiency, cutting speed and chip flushing

APPLICATIONS

- Pipe production
- Pipe Finishing Lines

LAZZARI CAN TAKE CARE OF THE MATERIAL HANDLING FOR INFEED AND OUTFEED MATERIAL TO THE MACHINE



<1 HOUR PER PIPE

Model	Pipe diameters	
	mm	inch
PSM200	26,7 - 196,85	1,050" - 7 3/4"
PSM300	114,3 - 298,45	4 1/2" - 11 3/4"
PSM400	196,85 - 406,4	7 3/4" - 16"
PSM500	298,45 - 508,0	11 3/4" - 20"





Screwing mandrel machine

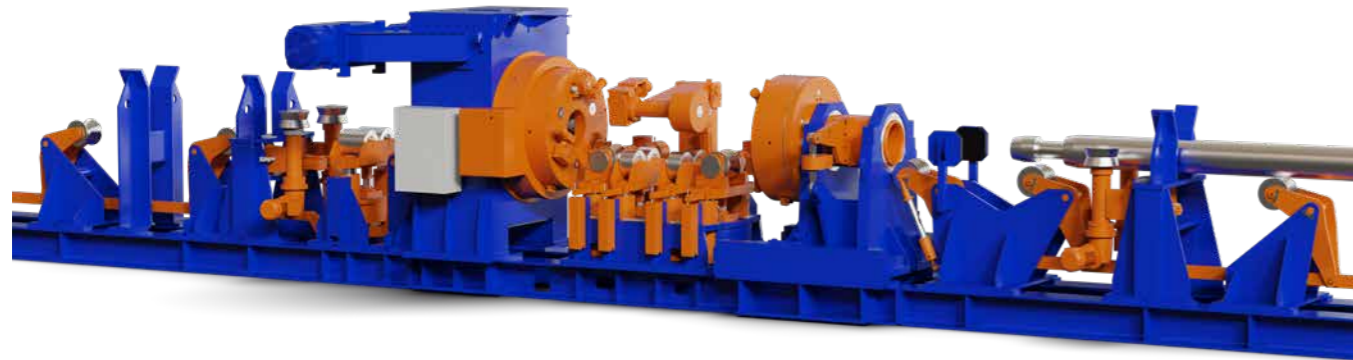
Pipe Production Machines

Lazzari Technology



Lazzari Technology

Pipe Production Machines



FEATURES

- Variable torque curve to suit all customer requirements
- Smart operator interface for seamless machine operating times
- Self centering radial clamping system to securely hold the working piece

APPLICATIONS

- Seamless tube & pipe production

LAZZARI CAN TAKE CARE OF THE MATERIAL HANDLING FOR INFEEED AND OUTFEED MATERIAL TO THE MACHINE



UP TO 20000 NM TIGHTENING FORCE

Model	Mandrel Max. diameter	Standard Max. Torque
	mm	N/m
AM200/6.000 (*)	200	6.000
AM200/10.000 (*)	300	10.000
AM200/15.000 (*)	400	15.000
AM200/20.000 (*)	500	20.000

(*) The max torque can be customized according to the customer needs



Roll Shop Machines

Lazzari Technology

ROLLSHOP MACHINES PROVIDED BY LAZZARI TECHNOLOGY ARE OF FOUR CATEGORIES:

- Single station dechocking machine
- Multiple station dechocking machine
- Tilter roll Chocks
- Transport cart

THE MAIN CHARACTERISTICS OF THE MACHINES ARE:

- Machines are capable to cover the full range of rolls like WR(workrolls) IR (intermediate rolls), BUR (backup rolls) up to 120 tons of weight
- For steel production and aluminum flats
- Made for high productivity and reliability
- Machine specific hydraulic plant with included power unit allowing for direct movement drive.
- Possibility of complete electromechanical solution for the drive systems instead of the hydraulics ones

OPTIONS:

- All machines can be fitted with the control desk allowing for full automation with diagnostic systems and failure prevention alarms.

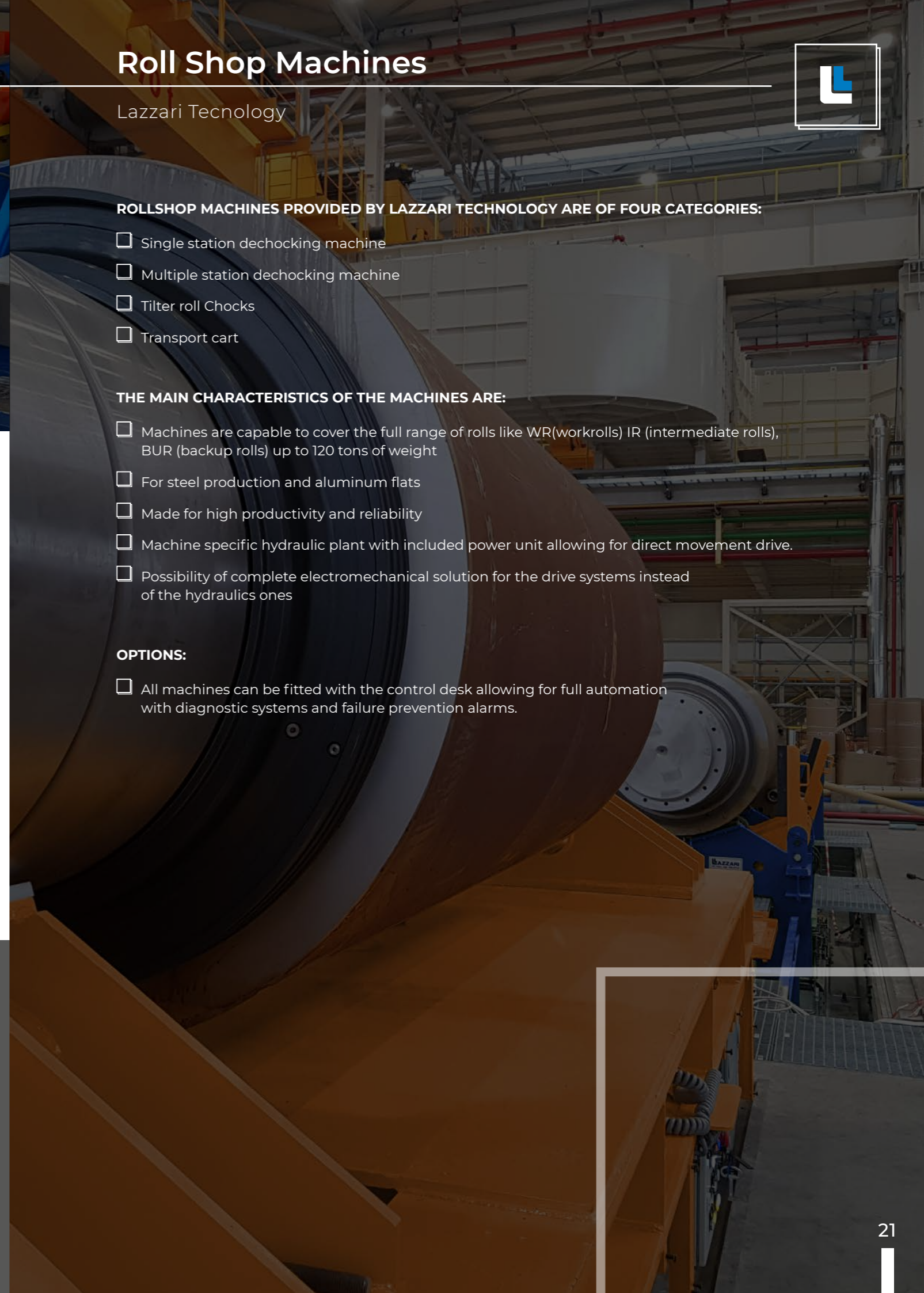
MATERIAL HANDLING SOLUTION

We understand the customer's need to connect machines in a production line environment with intelligent and efficient solutions that allow you to start production as soon as possible.

For this reason, Lazzari offers customized material handling solutions, from machine loading to unloading, taking into account all the specific needs of each application.

By choosing our material handling solutions for your application, you can be sure that the machines will be able to work at maximum productivity while also drastically reducing the operating costs thanks to the implementation of energy recovery systems.

Since the solutions are tailored to your needs, we can both link up existing machines and coordinate with suppliers to provide material handling for future installations.

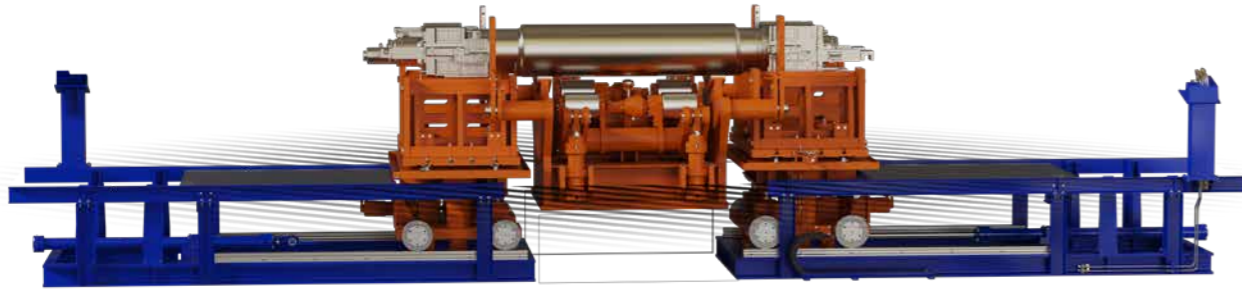




Single station dechocking machine

Roll Shop Machines

Lazzari Technology



FEATURES

- Can be equipped with rolling saddle for easy maintenance
- Customized to many types of rolling mill production facilities

APPLICATIONS

- Hot and Cold Strip Mill for Steel and Aluminum



UP TO 120 TONS LOADING CAPACITY

Type	Roll diameter mm
WRDS-600	200 - 600
WRDS-900	600 - 900
BURDS-1.200	800 - 1.200
BURDS-1.600	1200 - 1.600



Multiple station dechocking machine

Lazzari Technology

Roll Shop Machines



FEATURES

- Better work efficiency with multitasking capability
- All stations can be equipped with rolling saddle for safer maintenance procedures

APPLICATIONS

- Hot and Cold Strip Mill for Steel and Aluminum



SIMULTANEOUS DOUBLE WORK PLATFORMS

Type	Roll diameter mm
WRDM-600	200 - 600
WRDM-900	600 - 900
BURDM-1.200	800 - 1.200
BURDM-1.600	1200 - 1.600

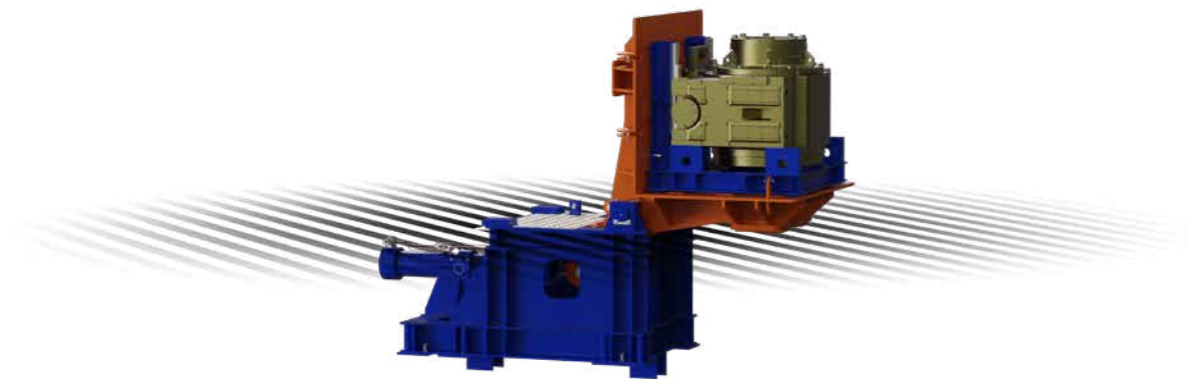




Tilter for Roll Chocks

Roll Shop Machines

Lazzari Technology



FEATURES

- Hydraulic counterweight to improve component stability during movement

APPLICATIONS

- Hot and Cold Strip Mill for Steel and Aluminum



30 SECONDS PER 90* ROTATION

Type	Chock weight
	Ton
CHTL10	10
CHTL20	20

Transport Car

Roll Shop Machines

Lazzari Technology



FEATURES

- Up to 100 Tons carrying capacity
- Possibility of Battery powered with autonomous charging station

APPLICATIONS

- Hot and Cold Strip Mill for Steel and Aluminum

THE MACHINE POWER DELIVERY SYSTEM CAN BE CUSTOMIZED ACCORDING TO THE CUSTOMER NEEDS



24 HOUR CONTINUOUS WORK TIME

Type	Max load
	Ton
TC50	50
TC100	100

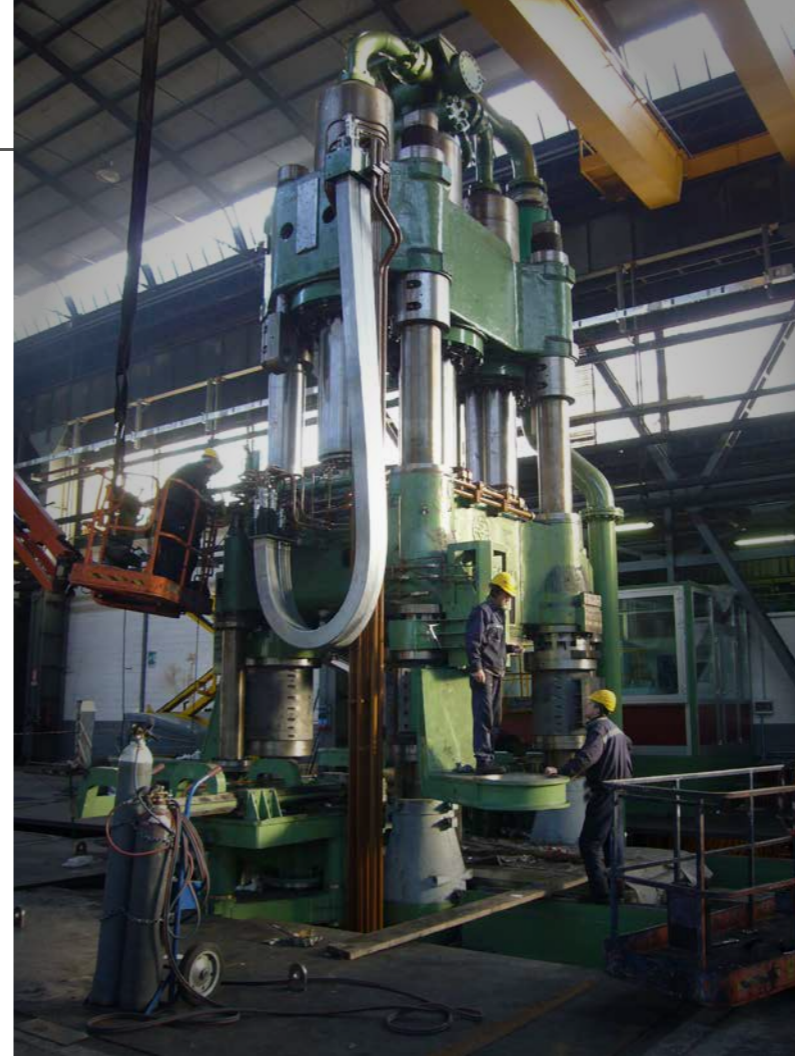


OUR NEXT STEPS

Our vision for Lazzari is of innovation for both the customer and the future of the steel industry as a whole.

We see the competition as an opportunity to challenge ourselves, to create new technologies and fulfill new and modern needs.

We work with each customer to provide them with bespoke solutions to improve many aspects found on the factory floor, from the reduction of maintenance costs to lowering both the risk factor and the impact of production on the environment, to improving the production speed, using experience and expertise of Lazzari machines acquired during years of operation.



LAZZARI MANUFACTURING

Through Lazzari manufacturing the construction of your knowhow can be handled by our capable manufacturing team, ensuring you the best results for both the assembly and the functionality of the machine.

Moreover the engineering team can modify and improve the machine upon request and also suggest improvements or changes to best fit the customer needs.

The same care and attention is given to your product just as our own know-how machines. A battery of tests is done before deployment to ensure the quality of the construction, guaranteeing the machine functionality and build quality.





LAZZARI

Manufacturing

MANUFACTURING SOLUTION

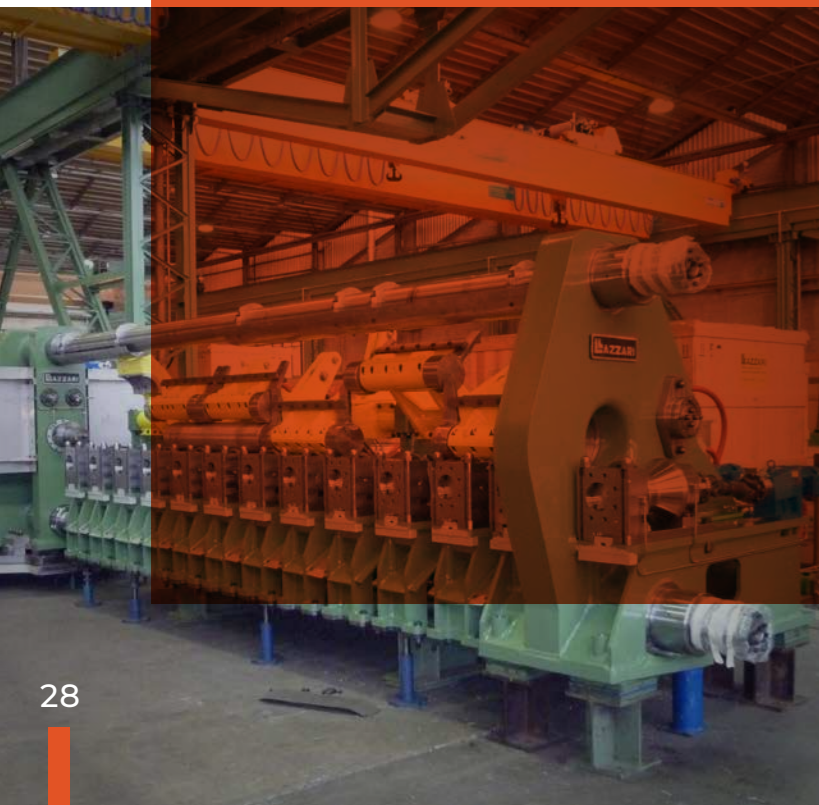
Lazzari manufacturing is capable to work with machines that are suited for many different fields:

Flat rolling mills equipment, pipe production equipment and many others.

Lazzari Manufacturing takes care of the steel structure and assembly of components up to no-load tests and product delivery.

Additionally Lazzari can offer a more indepth development of the design of the customer machine, improving the design of the machine and optimizing it for in-house production

Lazzari manufacture can also include on-site assembly and machine startup assistance to ensure every step is done to deliver you the best Lazzari can offer.



Lazzari manufacturing is able to fabricate and assemble a wide variety of machines the steel & aluminum industry:

- Pipe production
- Profile production
- Flat rolling mills
- Forging

And many others.

For more information please refer to the complete data sheet, or write to us at: Info@lazzari.com

Manufacturing



LAZZARI

Spares & Service

ADVANCED SPARE PARTS SOURCING

We believe our products offer the best performance on the market.

To make this possible, we have seen the need to make our products last as long as possible.

Lazzari Spares & Services is a customer-oriented service that offers long-term support for both all Lazzari and third party products, providing you with quick access to all the necessary parts, wherever the machines are located, to carry out both regular maintenance and repairs on our machines, with the additional assistance of our skilled engineering team.

Our Predictive Maintenance System allows your internal teams to identify the maintenance and repairs needed to keep the machine in perfect working order, long before they become problems that can affect the production line.

In addition, for any further needs, it establishes a strong link with Lazzari technicians to quickly understand and solve complex problems, reducing any downtime on your production line to a minimum.



BETTER FUTURE

We recognise that times are changing and so are the needs of businesses around the world to move towards safer and cleaner solutions for the environment and people, without sacrificing productivity.

We take this opportunity to offer a revamping service, to reuse, renew and recycle machines that may be obsolete, making them powerful tools in today's environment.

Spares & Service



ABOUT US - REFERENCES

Throughout its history, Lazzari has supplied various customers in the steel industry, providing them with state of the art technologies and proving its capabilities to the world.



Technological improvements for people and the environment, bringing more efficiency and reliability to the forefront of the steel industry.



LAZZARI

We Engineer The Future

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