



I BILLETS / BLOOMS CUTTING MACHINE

The Saldotecnica Europe plants are designed according to the different needs of the individual customer following the principle "Taylor made" which is a value that has always distinguished our company.

The machines are designed based on the layout of the plant, type of cast steel, cutting sections, casting speed and specific customer requirements.

The cutting machines are designed and built to meet the needs of strength, durability and performance required today by customers, are developed to integrate perfectly on the continuous billets / blooms on the plant.

We can supply torch cutting lines for curved and vertical casting lines.



The wagons on which the oxy-fuel systems are installed are made with welded steel structures with characteristics suitable for operating in harsh environments such as those of the steelworks, are designed with cooling systems on the most exposed areas and have characteristics as listed below:

- Sturdy steel structure;
- Handling wheels in quality steel;
- Linear actuators with potentiometer and limit switch inverter for position control and torch movement;
- Gearmotors for the movement of the cars with electromagnetic clutch;
- Pneumatic billet clamping system;
- Water cooled lower carriage structure and lower panel with quick-release system;
- Water cooled clamps;
- Independent granulation system;
- Limit and proximity switches for high temperatures;
- "Burrless" high pressure oxygen cutting tip HR Series;
- UPS Uninterruptible Power Supply;
- Remote PLC internet connection.

Options:

- Fixed or mobile sample cutting system;
- Anti-leaking system - scarfing;
- Mechanical knife deburring system (see "deburrer" section);
- Measuring roller;
- Front - back cooled screens;
- Quick torch release system;
- Powder cutting system for high quality steel or stainless steel;
- Cooling screens and stainless steel frame;
- Roller for cooled billet support;
- Electric or pneumatic brake parking system;
- Development of special applications on request;
- Pilot flame with automatic electronic ignition;
- Flame detection system.

Main operating features: Cutting sections:

Square from 120mm to 600 mm Round from 120mm to 1050 mm Beam blanks 450 x 1000

	S275JR	39NiCrMo3	18NiCrMo5
Casting speed	2.5 m/min	2.5 m/min	2.5 m/min
Cutting speed	590 mm/min	500 mm/min	485 mm/min
Temperature °C	800	800	800
Dimension	160x160	160x160	160x160



I SLAB / PLAT CUTTING MACHINE

The Saldotecnica Europe cutting machines are designed and built to meet the requirements of strength, durability and performance demanded today by the customers, they are designed to perfectly integrate on the slabs plants continuous castings lines.



The structure on which the oxy-fuel systems are installed is made with a welded steel structure with characteristics suitable to operate in harsh environments such as meltshops, it is designed with cooling systems on the most heat exposed areas and features characteristics as listed below:

- Sturdy steel structure;
- Handling wheels in quality steel;
- Gearmotors for moving the machine according to the electrical axis;
- Double cutting carriage driven by brushless motors;
- Pneumatic slab hooking system with pusher;
- Cooled panels on the bottom on the sides and on the back of the machine;
- Cooled barrel coupling system;
- Granulation system;
- Limit and proximity switches for high temperatures;
- Cutting tip for high pressure oxygen (20 bar) "Burrless" series HR;
- UPS Uninterruptible Power Supply;
- Remote PLC internet connection.

Main operational characteristics:
Cutting sections: 150-400 shims / 1200-2800 width

Steel grades examples:

	S275JR	39NiCrMo3	18NiCrMo5
Casting speed	2 m/min	2 m/min	2 m/min
Cutting speed	510 mm/min	460 mm/min	445 mm/min
Temperature °C	800	800	800
Dimension	200x2000	250x2000	350x2000

Options:

- Fixed or mobile sample cutting system;
- Measuring roller;
- Quick torch release system;
- Powder cutting system for high quality steel or stainless steel;
- Cooling screens and stainless steel frame;
- Development of special applications on request;
- Pilot flame with automatic electronic ignition;
- Flame detection system.



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The machines are designed based on the layout of the plant, type of cast steel, cutting sections, casting speed.



I DEBURRING MACHINES

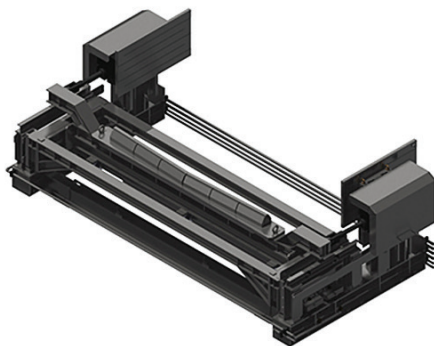
The Deburring machines are designed to remove leaks that form on the edge of the profile as a result of the oxy-fuel process. Saldotecnica Europe designs and builds Deburring systems for Billet Blom and Slabs casting lines.

The machines are designed according to the different needs of the individual customer.

The machines are designed on the basis of the layout of the plant, type of cast steel, cutting sections, casting speed specific and other specific customer requests.



The structures on which the Deburring systems are installed are made with welded steel structures having characteristics suitable to operate in harsh environments such as those of the meltshops, and are designed with pneumatic handling systems.



Options:

Bur removal system using a high pressure jet of oxygen.
Main operational characteristics.

Cutting sections:

Square from 120mm to 600 mm

Round from 120mm to 600 mm

Beam blanks 450 x 1000

Slab 2800



I SCARFING MACHINE

Saldotecnica Europe scarfing machines are designed and built to meet the requirements of robustness, durability and performance demanded today by customers.



The structure on which the scarfing systems are installed is made with a welded steel structure having characteristics suitable to operate in harsh environments such as those of the meltshops, it is designed with cooling systems on the most exposed hear areas and features characteristics as listed below:

- Sturdy steel structure;
- Handling wheels in quality steel;
- Gearmotors for moving the machine according to the electrical axis;
- Gouging carriage driven by brushless motors;
- Cooled panels on the bottom on the sides and on the back of the machine;
- Granulation system;
- Limit and proximity switches for high temperatures;
- Scarfing nozzles for high pressure oxygen;
- UPS Uninterruptible Power Supply;
- Remote PLC internet connection.

Options:

- Slab measuring system room;
- Automatic scarfing cycle;
- Quick torch release system;
- Development of special applications on request;
- Pilot flame with automatic electronic ignition;
- Flame detection system.

Main operational characteristics.

Gouging sections:
100-3000 shims
200-3000 width

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I SCRAP CUTTING MACHINES

Saldotecnica Europe scraping machines are built and designed on the basis of our long experience in large thicknesses cutting field. Are designed to operate with continuous cutting cycles in very harsh environments that expose the machine to continuous thermal and mechanical stress.

The machines can be configured according to the different needs of the customer, and their sizing is developed as a function of productivity, cutting thicknesses and types of steel.



Main characteristics:

- Sturdy steel structure;
- Handling wheels in quality steel;
- Portal structure or single-arm cooled;
- Gearmotors for handling the machine;
- Trolleys for torches equipped with brushless gear motors;
- Soundproofed operator cabinet;
- Soundproof "dog-house" fume extraction hood;
- Limit and proximity switches for high temperatures;
- Special cutting tip for large thicknesses;
- UPS Uninterruptible Power Supply;
- Remote PLC internet connection.

Options:

- Smoke suction system;
- Cutting system with iron powder;
- Remote control.

Main operational characteristics.
Cutting sections: up to 2200mm.