



SURFACE FINISHING LINE
SHEET TO SHEET
FOR STAINLESS STEEL
(SECOND HAND)



Robecco sul Naviglio, 16/11/2022

Object: [Technical specification of Sheet-to-Sheet “as-it-is” second hand line](#)

Following your kind request, we please you to find hereby our best quotation for the supply of:

**SHEET TO SHEET
SURFACE FINISHING LINE
FOR STAINLESS STEEL
(SECOND HAND)**



TECHNICAL DATA:

- Material : Stainless steel sheets
- Serie : 200-300-400 with surface finishing 2B o BA
- thickness : mm. 0,5 ÷ 6,0
- Width : **mm. 2000**
- Length : min mm. 550
- Feeding speed : 3-30 m/min
- Introduction direction : from LEFT to RIGHT (operator side)
- Pass line : mm. 930
- Compressed air consumption : 2 Nm³/h
- Diameter of contact roll : mm 250
- Hardness of contact roll : ShA 40 – 45
- Motor of the contact roll : **kW 2 x 70 kW**
- Diameter of the Billy Roll : mm 250
- Billy Roll coating : cromed
- Length of the belt : **mm 4.600**
- Cutting speed of sanding belt max : max m/sec 30
- Total air consumption : 20.000 m³/h

The line speed can be affected by the quality of the material in entry, the finishing ype, the quality of the belts used.

The entry material (sheets) shall be of first choice without flanness or surface defects.



SECOND-HAND LINE COMPOSITION:

- Item 1.1 Entry Self centring entry roller way
- Item 1.2 Two belts type grinding machine
- Item 1.3 Intermediate Self centring exit rollerway
- Item 1.4 Manual PVC applicator
- Item 1.5 Exit rollerway

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Item 1.1

ENTRY SELF CENTRING ROLLERWAY

- Length : mm. 3600
- Useful width : mm. 2100
- Rolls coating : PU
- Centring : Automatic in line axis by means of pneumatic system and pre-positioning by means of manual and analogue display (SIKO)
- Motorsation by means of AC motor + drive with chain transmission on the shifting rolls





Item 1.2

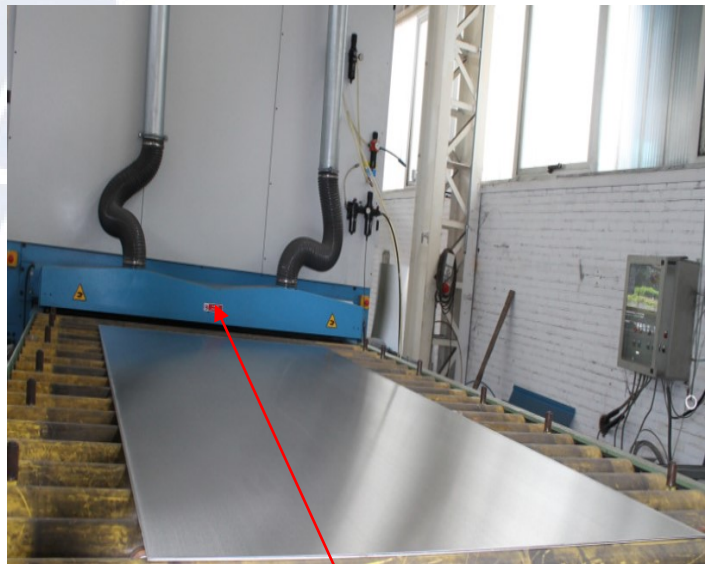
No. 1 TWO BELTS GRINDING MACHINE

- Machine max width : mm 2100 for the second hand one
- Solid structure made by a welded steel frame where the rollway and the billy rolls are installed.
- The upper moveble part hoists the belts and the relevant motorisations together with the controlling pneumatic equipment.
- N. 2 heads for the belts with emergency pneumatic brakes.
- Heads motorisation by means of AC motor.
- The head no.1 (entry side) will be at fixed speed while the head no. 2 (exit) will be at variable sped by means of drive controlled by Operator Panel.
- Quick automatic locking system for the two heads.
- Support system to inserting abrasive belts on the machine through pneumatically controlled arm for lifting and centering the belts
- Cleaning of the abrasive belts during work by means of an oscillating air jet system positioned in the upper part of each grinding finishing head.
- Cromed coated Billy roll motorised
- Upper structure with movement by means of motor gerboxes driven by AC motor
- Encoder and display for the machine positioning during the working stage.
- The two contact rolls are equipped with eccentric system for the fine tuning during the working stage
- Pneumatic system for the belt tensioning.
- Belt shifting control system controlled by photocells.
- Possibility of adjusting the belt control photocell system in order to use abrasive belts of different widths
- Belts protection door with electrically interlocked lock while the machine is on.
- Motorised rollwerway with opening by means of cylinders.
- Each head is equipped with double exhausting hood to be connected to the powders echausting system
- Cleaning system of the processed sheets by means of air jet units positioned at the output of the grinding machine
- PLC and operator and drive panels
- Teleservice system for remote assistance.
- On machine board pneumatic system





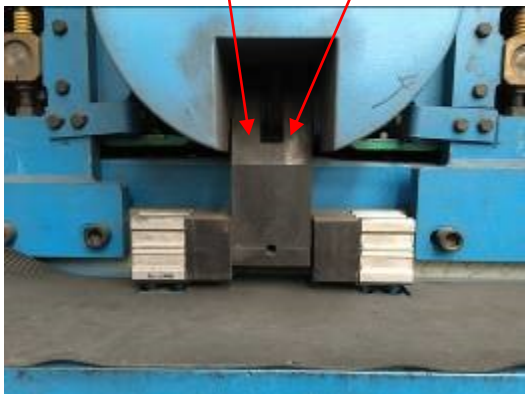
Quick automatic locking system
for the two heads



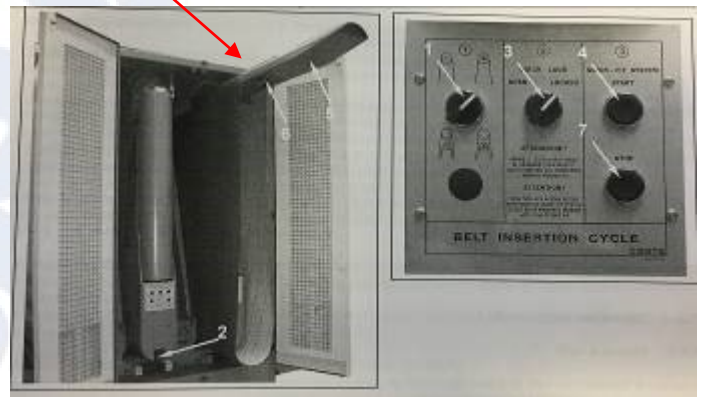
Cleaning system of the processed sheets



Cleaning system for abrasive belts



Quick automatic locking system for the two heads



Support system to inserting abrasive belts



Cleaning system of the processed sheets



Adjustable photocell belt control system



Item 1.3

EXIT SELF CENTRING ROLLERWAY

- Length : mm. 4000
- Useful width : mm. 2000
- Rolls coating : PU
- Centring : Automatic in line axis by means of pneumatic system and pre-positioning by means of manual and analogue display (SIKO)
- Motorsation by means of AC motor + drive with chain transmission on the shifting rolls



Item 1.4

MANUAL PVC APPLICATOR

- Machine max width : mm 2000
- Inner diameter of polythene roll : mm 75.
- External diameter of polythene roll : mm 450.
- Idle rolls with vertical movement
- The rolls will be covered by rubber 60 Sh and they will be grinded.
- Frame with n. 1 upper support shafts for polytene roll.
- Pneumatic locking system of the polytene roll by expandable shafts.
- Quick change system for expandable shafts.
- Top film application
- Pneumatic braking system.
- Cutting system for plastic film manual with "hoot wire system" positioned at the output of the machine



PVC APPLICATOR



HOT WIRE SYSTEM to cut the PVC between the sheets



Item 1.5

EXIT ROLLERWAY

- Length : mm. 3000
- Useful width : mm. 2000
- Rolls coating : PU
- Idle rolls

