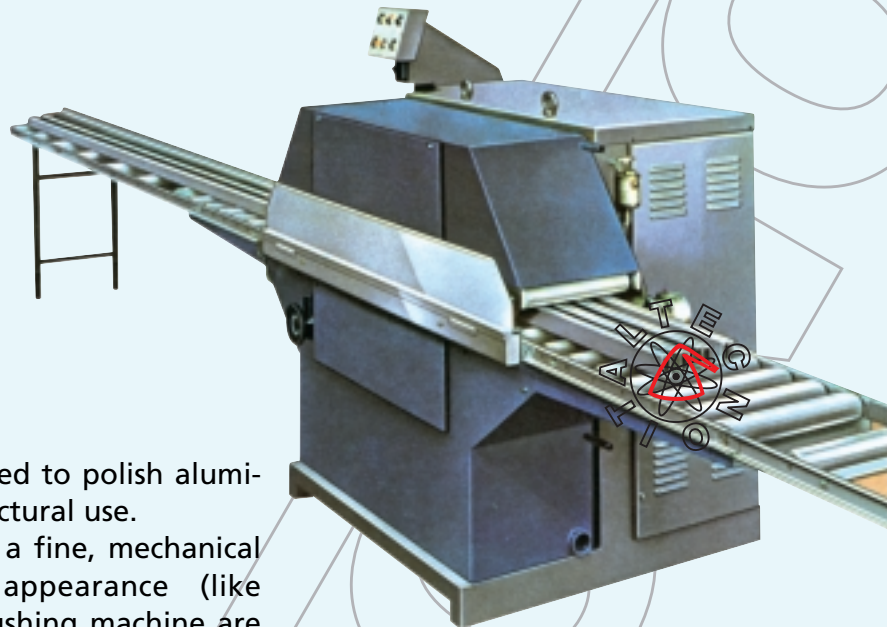




Mechanical finishing

BRUSHING MACHINES



S 104 model

This machine is employed to polish aluminium profiles for architectural use.

The obtained finish has a fine, mechanical satin and excellent appearance (like Scotchbrite). On this brushing machine are fitted special metal brushes that do not need polishing paste and do not produce dust. The brushes (3 above and 3 below), cooled with water sent by special sprayers, are arranged to work at the same time on two faces of the profiles.

The electrical controls are at low voltage and they are centralized on a control board placed on the machine in front of the operator. The motion of the upper bed for the insertion of the profiles which have to be polished is carried out by compressed air supplied by a special built-in compressor. The lubrication of the main parts is automatic and manual lubrication is minimum. The high performance of this machine allows to obtain a polished product at a comparatively low cost.

SPECIFICATIONS

Profile speed	
1st speed	: 6 mt/min
2nd speed	: 9 mt/min
3rd speed	: 12 mt/min

The machine can polish at the same time many profiles for a working width of : 300 mm
 Minimum profile length : 500 mm
 Average production capacity with profiles of normal section and commercial length up to : 2000 Kg/h

All the parts constituting this machine are built

with carefully selected materials which give the utmost warranty

Weight	: 1040 kg
Power of brush engines	: 4x2 HP – 2x1 HP
Engine power for bed lift and descent	: 0.35 HP
Engine power for profile feed	: 0.5-0.75 · 1 HP
Machine total power	: 15 HP
Air compressor 50 lt/min	: 8 Atm.
Pneumatic piston to hoist the pedal operated bed	
Control board for all the electrical equipment	

SPECIFICATIONS OF THE BRUSHES

Circular brushes of waved metal wire	
Brush outer diameter	: 250 mm
Brush inner diameter	: 40 mm

A set consists of:

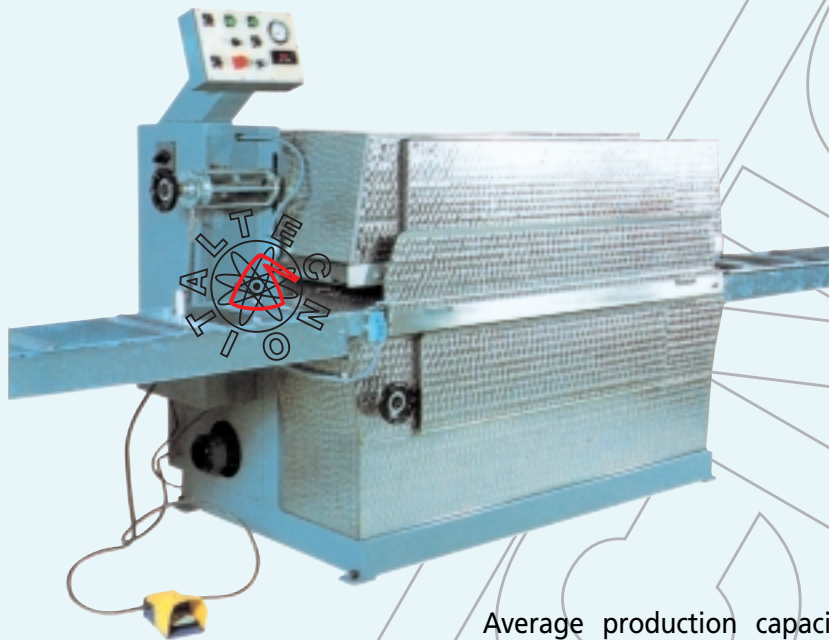
130 brushes with metal wire	: 0.20 mm
40 brushes with metal wire	: 0.40 mm
The average life of a set is	800/1000 working hours.

ACCESSORIES

Set of spanners	1
Press for clamping brushes	1
Extensions for profile holding roller of a length of 2000 mm.	6



Mechanical finishing



S 104 N model

This machine is employed to polish aluminium profiles for architectural use. The obtained finish has a fine, mechanical satin, excellent appearance (like Scotchbrite).

On this brushing machine are fitted special metal brushes that do not need polishing paste and do not produce dust. The brushes (3 above and 3 below), cooled with water sent by special sprayers, are arranged to work at the same time on two faces of the profiles. The electrical controls are all at low voltage and they are centralized on a control board placed on the machine in front of the operator.

The motion of the upper bed for the insertion of the profiles which have to be polished is carried out by compressed air supplied by a special built-in compressor. The lubrication of the main parts is automatic and manual lubrication is minimum. The high performance of this machine allows to obtain a polished product at a comparatively low cost.

SPECIFICATIONS

Profile feed speed : from 0 to 40 mt/min
The machine can polish at the same time many profiles for a working length of: 300 mm
Minimum profile length : 1000 mm

Average production capacity with profiles of normal section and commercial length up to : 3000 Kg/h

All the parts constituting this machine are built with carefully selected materials which give the utmost warranty in contact with water, anodized aluminium and stainless steel

Weight : kg 1200
Power of brush engines : 4x2 HP – 2x1 HP
Engine power for bed lift and descent : 0.5 HP
Engine power for profile feed adjustable with electronic panel : 1.50 HP

Adjustment inverter 1,305 AB : 1
Machine total power : 18 HP
Air compressors 50 lt/min : 8 Atm.
Pneumatic piston to hoist the pedal operated bed
Control board for all the electrical equipment

SPECIFICATIONS OF THE BRUSHES

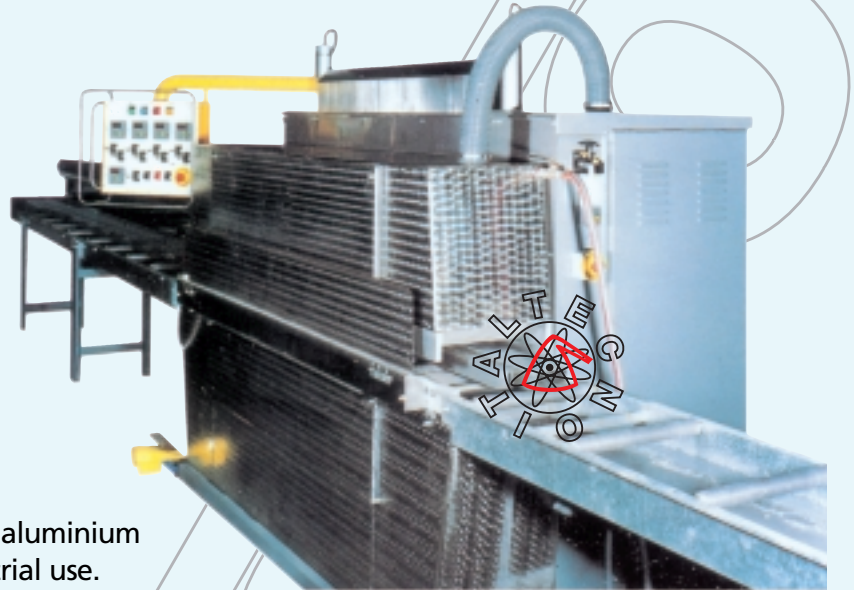
Circular brushes of waved metal wire
Brush outer diameter : 300 mm
Brush inner diameter : 80 mm
A set consists of:
110 brushes with metal wire : 0.20 mm
40 brushes with metal wire : 0.40 mm
The average life of a set is 800/1000 working hours.

ACCESSORIES

Set of spanners 1
Press for clamping brushes 1
Extensions for profile holding roller of a length of 2000 mm 6



Mechanical finishing



S 104 V model

This machine is employed to polish aluminium profiles for architectural and industrial use. Finishes range from mechanical steel-brushed satin, to resin-brushed satin (Tinex) and Scotchbrite brushed finish. The brushes (4 above and 4 below) cooled with water fed by special sprayers are arranged to work at the same time on two faces of the profiles. The upper bed for the insertion of the profiles to be polished, is set in motion by compressed air supplied by a special built-in compressor. Pressure can be adjusted on each brush independently or at the same time so that access to each brush for adjustment is possible and all the brushes can be regulated when changing the section of the profile while leaving the pressure unchanged. Brush speed can be adjusted by inverters operating on pairs, 1 above and 1 below, making it possible to work from 400 to 1200 rpm and get the best performance from the various types of brushes (e.g. steel, Tinex, Scotchbrite, etc.) by using them in different combinations.

SPECIFICATIONS

The machine can polish at the same time many profiles for a working length of
 : 240 mm
 and max height of : 230 mm
 Average production capacity with profiles of normal section and commercial length up to
 : 3000 Kg/h
 All the parts constituting this machine are built with carefully selected materials which give the utmost warranty

Weight	: 1650 kg
Power of brush engines	: 8x2,5 HP
Engine feed power	: 1x1 HP
Hydraulic gearcase power	: 1x0,5 HP
Oil capacity	: 10 lt
Machine total power	: 25 HP
Air compressor 50 lt/min	: 8 Atm.
Ventilator	: 0,75 HP
Inverter 13,05 AB	: 5
Water consumption	: 15-20 lt/min.

SPECIFICATIONS OF THE BRUSHES

Circular brushes of steel, Tinex, Scotchbrite	
Brush outer diameter	: 300 mm
Brush inner diameter	: 80 mm
The average life of a set depends on the type of brush selected	
- Steel	: 1500/1800 hours
- Tinex	: 1000/1200 hours
- Scotchbrite	: 100/200 hours

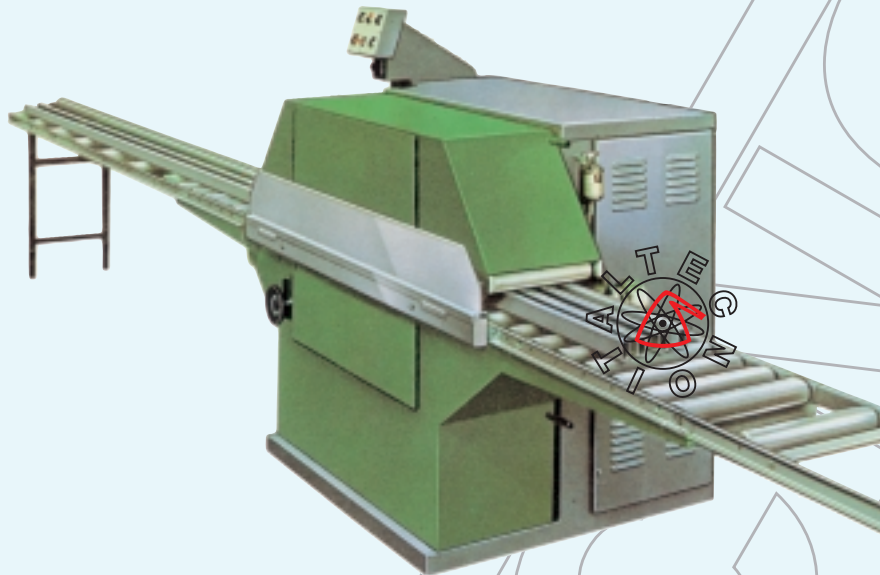
These data are approximate and depend on the type of profile used.

ACCESSORIES

Set of spanners	1
Press for clamping brushes	1
Brush holder sleeves	4
Extensions for profile holding roller of a length of 2000 mm.	6



Mechanical finishing



S 104 P model

This machine is employed to polish aluminium profiles for architectural and industrial use before painting. This mechanical attachment encourages the removal of swarf and natural oxides, guaranteeing excellent pre-treatment using the usual chemical process. On this brushing machine are fitted stainless steel brushes that do not need polishing paste and do not produce dust. The brushes (2 above and 2 below) cooled with water sent by special sprayers, are arranged to work at the same time on two faces of the profiles. The electrical controls are at low voltage and they are centralized on a control board placed on the machine in front of the operator. The motion of the upper bed for the insertion of the profiles which have to be polished is carried out by compressed air supplied by a special built-in compressor. The lubrication of the main parts is automatic and manual lubrication is minimum. The high performance of this machine allows to obtain a polished product at a comparatively low cost.

SPECIFICATIONS

Profile feed speed	: from 7 to 20 mt/min
The machine can polish at the same time many profiles for a working length of	: 250 mm
Minimum profile length	: 1000 mm
Average production capacity with profiles of normal section and commercial length up to	: 3000 Kg/h
All the parts constituting this machine are built with carefully selected materials which give the utmost warranty in contact with water, anodized aluminium and stainless steel	
Weight	: 900 kg
Power of brush engines	: 4x4 HP
Engine feed power	: 1x1 HP
Machine total power	: 18 HP
Air compressor 50 lt/min	: 8 Atm.
Water consumption	: 15-20 lt/min.

SPECIFICATIONS OF THE BRUSHES

Circular brushes of waved metal wire	
Brush outer diameter	: 300 mm
Brush inner diameter	: 80 mm
A set consists of:	
110 brushes with metal wire	: 0.20 mm
40 brushes with metal wire	: 0.40 mm
The average life of a set is 800/1000 working hours.	

ACCESSORIES

Set of spanners	1
Press for clamping brushes	1
Brush holder sleeves	4
Extensions for profile holding roller of a length of 2000 mm.	6

ITALTECNO

Via Marinuzzi, 38 - 41100 Modena (Italy) - Tel. +39 059 280362 - Fax +39 059 280462
Internet: <http://www.italtecono.com> - E-mail: info@italtecono.com

