



FORZA

Buster Pro

V072024

Technical Sheet
Model BP13P30



FORZA

Buster Pro

Removes burrs, rust and paint from metal sheets and rounds edges.

DEBURGING / SMOOTHING

The FORZA Buster Pro processes workpieces up to 1300mm wide and is designed to remove burrs, smooth surfaces, and remove sharp edges from metal parts.

It consists of two stages, the first being a double sanding process and the second being an edge overflow process with rotating brushes.

Specific characteristics

FEATURE	DETAIL
Application	Overflow and smoothing of plates
Plate width	ÿ 1300mm
Feed rate	1-7m/min
Thickness adjustment	Automatic
Thickness adjustment accuracy	0.05mm
Power consumption of the equipment	80 kW
Sanding belt drive motor	22Kw/30HP
Clamping the piece on a band	By vacuum pump



Special Features

Triple stage



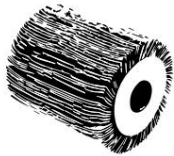
The equipment features two-stage grinding processes using an abrasive belt driven by rubber rollers to remove burrs, and an additional third stage for edge smoothing with rotating brushes.

Easy Touch



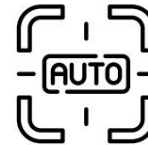
User-friendly touchscreen interface for easy operation.

High Security Rubber Roller



The rubber roller with eccentric shaft design ensures safety and convenient adjustment for various working conditions.

Automatic Fine Tuning



The automatic machine detects the height of the workpiece and self-regulates to achieve the required roughing thickness.

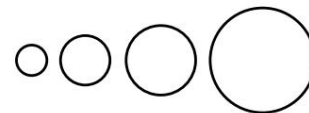
Total Safety in Operation



Excellent safety features: automatic stop of the belt in case of alarm or failure of

feeding, and effective protection of the limits in several positions.

Limitless Flexibility



There is no restriction on the length of the piece, allowing for polishing small pieces as well as pieces as long as 10 meters.

General Specifications

SPECIFICATION	DETAIL
Model	FORZA BUSTER PRO 1300
Type of work	Deburring/Smoothing
Software	PIStudio 1
Plate width	~ 1300mm
Sheet thickness	~ 50mm
Feed rate	1-7m/min
Band speed	1100m/min
Clamping the piece on a band	By vacuum pump
Thickness adjustment	Automatic
Dust removal	Pulse jet collector (OPTIONAL) ²
Control screen size	10.2 inches
Working voltage	220V/380V/440V 3ph 50-60Hz
Peak consumption current	440V: 460A
	380V:530A
	220V:920A
Power cable gauge	440V: 3AWG
	380V:2AWG
	220V:2/0AWG
Circuit breaker	440V: 125A
	380V:150A
	220V:250A

1. Large map storage capacity, high software security and stable communication. High speed for changing and updating images.

2. Fan responsible for removing dust and shavings using air pulses.

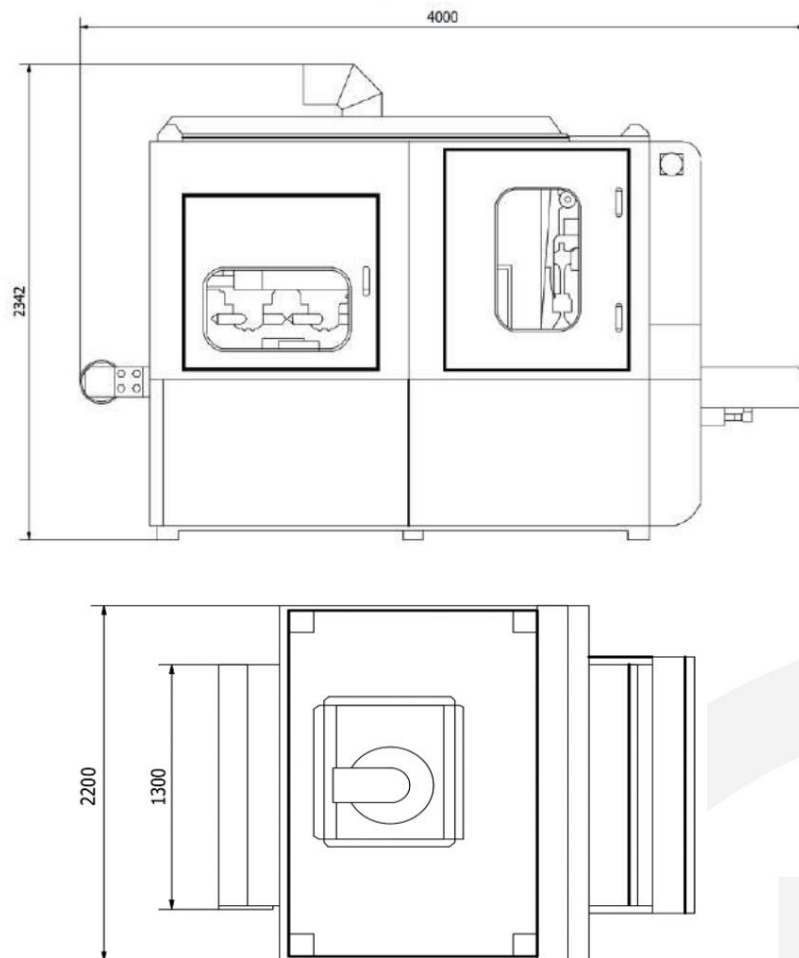
External diameter of air tube	Ø:8mm
Total protection level of the power source feeding	IP54
Sanding belt drive motor	22kW / 30HP
Vacuum suction fan	18.5kW
Platform lift motor	1.1kW
Belt drive motor carrier	4kW
Brush roll auto-rotation motor	3kW
Total power of the equipment	80 kW
Average power consumption	56 kW ³
Working pressure	0.4-0.7Mpa ⁴
Dust collector power	7.5kW (Optional)
Sanding belt size	2200mm*1310mm
Conveyor belt size	6470mm*1300mm
Belt roller measurement	Width 1360mm
	Diameter 240mm
	Adhesive layer 20mm
Abrasive wheel	280mm*50mm*40mm*80mm
Equipment dimensions	4100mm*2200mm*2200mm
Dimensions of packed equipment	4200mm*2300mm*2300mm
Total weight without extractor	4800kg
Total weight of the equipment with extractor	5120kg

4. Average power is calculated considering 70% of peak power to determine electrical consumption.

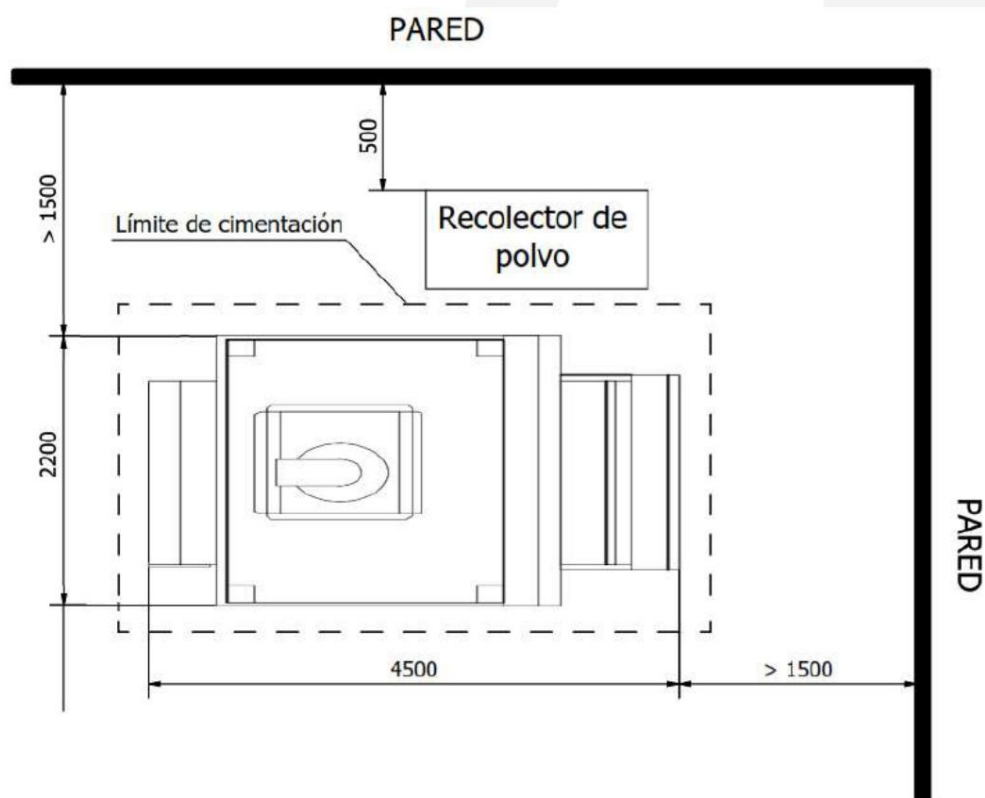
5. This measure refers to the air suction used to hold the parts to be polished while they travel along the conveyor belt.

Weight of packed equipment with extractor	5220kg
Sanding cooling method	Dissipated by water
Engine	Weinuo/Dingge
PLC + display LX3V2424MT + PI3102I – 10 inch WECON	
Sensor	Autonica
Transducer	Derris
HMI control screen	PI HD HMI PI3102i
HMI Processing	Cortex A35° 1.2 GHz CPU
HMI Resolution	1024*600
Machine Controller (PLC)	LX3V-2416M
PLC power supply	DC 24V±10%
PLC Power	< 30W
PLC Inputs/Outputs	24/16
Resistance on the work floor	6.5 Kgf/cm2
Relative humidity	< 85%
Working temperature	2 – 35o C
Storage temperature	8 – 30o C
Certifications	CE, RoHS

Machine measurements



Space required



Applicable materials



The equipment is designed to deburr sheet metal with a 99.9% deburring rate. This equipment is capable of deburring, chamfering, and removing oxidized skin efficiently and accurately.

Deburring thicknesses by material

For thicknesses between 2 to 50 mm

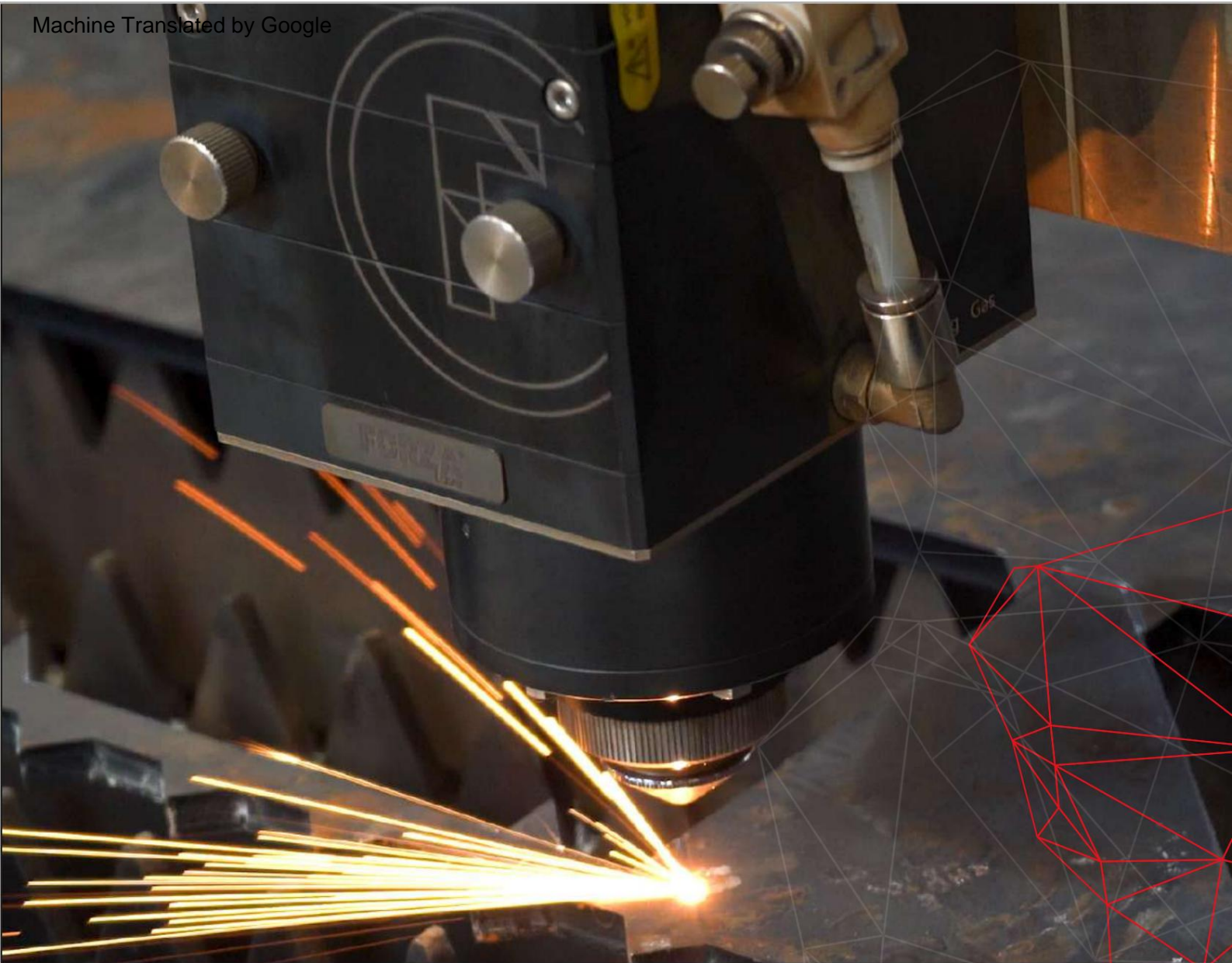
Speeds

The FORZA Buster Pro deburring machine offers an adjustment range of 0.5 to 7 m/min depending on the material being worked.

Speed is precisely adjusted in hertz, ensuring the ideal polishing for each task.

Recommendations:

1. Do not start polishing at high speeds.
2. Adjust the speed gradually to avoid damaging the workpiece or affecting the final result.



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