

# Profile bending machine

## PB\_HT



Vers. 01

TECHNOLOGICAL CHARACTERISTICS	
<b>Dimensional characteristics</b>	<b>PB00000HT</b>
Minimum spacer frame dimensions	280 mm x H=80 mm
Maximum spacer frame dimensions	diagonal L=2700 mm in one piece, without limits in multiple pieces
<b>Process characteristics</b>	<b>PB00000HT</b>
Automatic storage unit	12 stations
Type of spacer profiles	aluminium - stainless steel - stainless steel/plastic - plastic
Spacer profile width	6 ÷ 27 mm (32 mm cut only)
Spacer profile height	6.5 ÷ 7 mm
Shaped spacer frame processing	optional
Executable shapes	according to FOREL Catalogue
Bend angles	0° ÷ 155° (these values may vary depending on the type of spacer profile used)
Thickness calibration on bend angles (servo controlled)	✓
Minimum curvature radius of shaped spacer frames	60 mm (these values may vary depending on the type of spacer profile used)
Georgian bars automatic drilling / gas filling (optional):	
- hole diameter for georgian bars	ø2 mm
- hole diameter for gas filling	ø5 mm (minimum width of spacer profile 8 mm)
Productivity:	
- aluminium frame	~180 pcs/h (1000 mm x 500 mm)
- stainless steel / plastic frame	~150 pcs/h (1000 mm x 500 mm)
- plastic frame	~60 pcs/h (1000 mm x 500 mm)
<b>Constructional characteristics</b>	<b>PB00000HT</b>
Cutting blade	- unique for all types of spacer profiles - automatic advancement and/or rotation speed change - lubrication not necessary
Accompanying arm	✓
Arrangement for automatic marking	optional
Machine body weight	~ 1300 kg

TECHNICAL CHARACTERISTICS	
Applied standard	CEI EN 60204-1
Power supply	400 V ±10% Freq. 50/60 Hz ±1% 3P+N+PE
Environmental conditions	min. +5°C, max. +40°C temperature
	humidity < 80%
	altitude < 1000 m a.s.l.
Type of grounding system	TT (ground isolated from neutral)

(data concerning the technological/electrical characteristics of the article treated in this data sheet are not binding since they are subject to change).

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## TOOLS SUPPLIED

10 bending tools (aluminium processing)

## OPTIONALS AVAILABLE ON REQUEST

PBHT-01	Diagnostic supervisor system
PBHT-02	Processing of shaped frames
PBHT-03	Drilling unit for Georgian bars application or gas filling (software included)
PBHT-04	Steel and steel/plastic profiles processing
PBHT-05	Plastic profiles processing
PBHT-06	Kit of 10 additional tools
PBHT-07	Set-up for printer/marker