Ready for the challenge

The 1 series: HPP 180
2016/1
HPP 180 – a bestseller in Asia due to quality and service

HOLZMA has been developing and producing horizontal panel saws for 50 years. This wealth of experience and the know-how of our German-Chinese engineering team are two pillars for the quality and success of the HPP 180 in Asia. Other important factors are excellent service and high market proximity, as HOLZMA produces the HPP 180 in Shanghai, China. Specialists there, from the HOMAG sales companies and from our dealers throughout Asia are near at hand.

“The demands that customers in Asia and China make on a saw differ from those of our customers in Europe. That is why we developed the HPP 180 in a team comprising our engineers and local partners and produce the HPP 180 exclusively in Shanghai. The new HPP 180 offers even higher performance on the usual convincing terms. It allows storage system integration and can be equipped with Power Concept PRACTIVE, if desired.”

Wolfgang Augsten
Managing Director
HOLZMA Plattenaufteiltechnik GmbH

“We see personal discussions as the foundation of a successful relationship. That is why we take plenty of time for our customers, showing them the achievement potential of the HPP 180 at reference customers nearby and finding the best solution for them.”

Jochen Rehm
Area Sales Manager
China/Asia,
HOLZMA Plattenaufteiltechnik GmbH

“More than 1,300 of these saws have already been sold, making the HPP 180 one of our bestsellers in all Asia. The reasons are quite obvious: our engineers developed this saw specifically for the requirements of the Asian markets. That’s paying off.”

Jochen Rehm
Area Sales Manager
China/Asia,
HOLZMA Plattenaufteiltechnik GmbH

“‘For us, research and development must meet one criterion above all others: the requirements of the customers. Hence we designed the HPP 180 to offer still greater flexibility. The saw can be equipped with many additional technologies and thus grow in line with production requirements.’”

Dick Qian
Factory Manager
HOMAG Machinery Shanghai

“We listen very carefully to our customers in Asia and implement their wishes. The new HPP 180 is the proof of this – with increased performance, optimized operating safety and configuration options culminating in an automatic saw-storage combination.”

Martin Kress
Product Manager
HOLZMA Plattenaufteiltechnik GmbH
Whoever wants to have the edge over their competitors needs a panel saw of unrivaled efficiency, offering reliability and high throughput at a cost-effective price. The HPP 180 boasts precisely these strengths.
Standard features

Program fence for precision and dimensional accuracy
- Resistant to torsion and bending
- Electronically controlled
- Precision guide
- Electromagnetic measuring system guarantees positioning accuracy of +/- 0.2 mm
- Measuring system involves no wear and no maintenance

Clamps
- Robust
- Gentle positioning of material
- Irrespective of the book height, the top fingers of the clamps do not exert any leverage; instead, they are lowered horizontally and their entire contact surface rests on the material. This increases the working depth and ensures material is held firmly
- Designed for continuous, multi-shift operation

Rugged pressure beam
- Large-area pressure zone directly at the cutting line reduces material vibrations to a minimum
- Rack and pinion ensure the necessary parallel adjustment
The result: precise cuts, for books too.

Saw carriage with Power-Loc
- Exceptionally smooth running, high precision and low energy consumption are the hallmarks of the new saw carriage.
- Torsion-resistant, rugged and resilient basic design of the steel plate body for maximum dynamics and precision
- New: motor-controlled scoring saw adjustment
- Infinitely variable feed speed – for precision cutting of demanding materials

HOLZMA patent: central side pressure device
- Integrated directly in the saw carriage; this shortens cycle times by up to 25% in comparison with conventional systems
- Infinitely variable adjustment of contact pressure – depending on panel thickness. This allows even thin boards, laminates or sensitive materials to be processed perfectly. A new feature here is the book-height-dependent control of the contact pressure: the higher the book, the greater the pressure

New! Made-to-measure control system – CADmatic 4.1 PRACTIVE
Developed with the needs of different user groups in mind and individually configurable, the CADmatic control software ensures optimized processes.
- Easy-to-understand operating software
- 17” TFT flat screen monitor
- Graphically supported diagnostics
- New: improved design for enhanced user-friendliness

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Easy2Feed promises automatic feeding at a budget price. This optional feature saves time and space, is particularly ergonomic and can be retrofitted to the HPP 180 profiLine at any time – without requiring any additional space. The core element is a compact scissor lifting table, which can be comfortably loaded by forklift truck.

- Panels upwards of 9.5 mm thickness can be fed
- Maximum panel size: 2,400 x 1,220 mm
- Stack height 1,200 mm (in pit)
- For material that can be push-fed

Please note:
- Power Concept PRACTIVE is only available for the 3,800 mm cutting length
- Protective fence instead of protective guard
- Cannot be combined with Easy2Feed

New! Storage system integration

From small to large – HOLZMA offers an extensive range of feeding solutions; storage system integration is now also available for the HPP 180 profiLine. Your sales consultant will be pleased to give you more information.

- A roller conveyor links the store with the saw
- Tailored to your specific needs
- Pays off when cutting upwards of 30 randomly stored panels per day
- Viable even with limited floor space
- Attractive price
- Movability in x and y directions
- Saw and storage system perfectly coordinated
- Perfect handling – even with just one machine operator
- Easy, ergonomic operation

Machine table equipped with air jets throughout

Anyone working with sensitive material or especially heavy panels and books will benefit from the machine table being equipped with air jets throughout.

Power Concept PRACTIVE – for up to 40% higher output

This optional feature allows you to cut strips with different cross cuts together. Power Concept PRACTIVE achieves this by means of:
- An additional clamp which works independently
- Clamps on the program fence that can be raised out of the work area if necessary
- Re-sorting the strips directly at the saw so that they are ideally matched to the Power Concept. This is based on existing optimization data

The benefits:
- Up to 40% higher output
- Significantly shortened cutting cycles
- Significantly improved material flow
- High material throughput
- Lower costs per cut
- Attractively priced high-tech solution with minimum space requirement
- Precision cutting of even very narrow strips

Performance package

Comprises a saw carriage speed of 120 m/min instead of 80 m/min, pressure beam height control for faster positioning and a 15 kW main saw motor.

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Optional features

HPP 180 profiLine
**Optional features**

<table>
<thead>
<tr>
<th>HPP 180</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Saw blade projection</strong></td>
<td>95 mm (3.74&quot;)</td>
</tr>
<tr>
<td><strong>Cutting length</strong></td>
<td>3 200 mm (126&quot;)</td>
</tr>
<tr>
<td><strong>Clamps</strong></td>
<td>8 in standard machine, up to 3 more as optional extra</td>
</tr>
<tr>
<td><strong>Saw carriage speed</strong></td>
<td>up to 120 m/min (394 ft/min)</td>
</tr>
<tr>
<td><strong>Program fence speed</strong></td>
<td>70 m/min (230 ft/min)</td>
</tr>
<tr>
<td><strong>Controller software</strong></td>
<td>CADmatic 4.1 PRACTIVE</td>
</tr>
<tr>
<td><strong>Operating system</strong></td>
<td>Windows 7</td>
</tr>
<tr>
<td><strong>Monitor</strong></td>
<td>17&quot; TFT flat screen monitor</td>
</tr>
<tr>
<td><strong>Main saw motor</strong></td>
<td>13.5 kW (18.4 HP)</td>
</tr>
<tr>
<td><strong>Scoring saw motor</strong></td>
<td>2.2 kW (3 HP)</td>
</tr>
<tr>
<td><strong>Main saw blade</strong></td>
<td>380 x 4.4 x 60 mm (15 x 0.2 x 2.4&quot;)</td>
</tr>
<tr>
<td><strong>Scoring saw blade</strong></td>
<td>200 x 4.4 - 5.4 x 45 mm (7.9&quot; x 0.17 - 0.21 x 1.77&quot;)</td>
</tr>
<tr>
<td><strong>Compressed air requirements</strong></td>
<td>150 Nl/min (5.3 cfm)</td>
</tr>
<tr>
<td><strong>Minimum velocity at extraction connection</strong></td>
<td>approx. 26 m/s</td>
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**More optional extras**

Opt for additional clamps, with 1 or 2 fingers.

**New option for extra safety**

For maximum operating safety, the HPP 180 profiLine can now be equipped with an optional protective guard. It screens off the entire rear machine table thus preventing inadvertent access. A great gain in safety for a small investment.

**Cut optimization in the office**

HOLZMA increases output and efficiency in panel cutting with its proven optimization software Cut Rite.

- Optimized project control
- Efficient cutting processes
- Full control of costs
- Faster calculations

As an alternative to the comprehensive Cut Rite optimization software, CADplan, an add-on module for CADmatic, can also be used to perform small optimization jobs directly at the saw.

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**More efficiency, fewer errors: label printer**

You can print customized labels directly at the saw and design them to include bar codes, texts and graphics, if required. If you also use our Cut Rite optimization software, instructions for downstream CNC machining can also be included on the labels.

You would like to buy your printer yourself? We can provide the platform for you.

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**Technical data**

HPP 180 | HPP 180 profiLine

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**Overview**

Size, performance, features: the most important technical data can be seen here at a glance. Would you like to know more? Your HOLZMA sales consultant will be pleased to give you detailed information.

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**Optional features**

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