

Computer Controlled Panel Cutting machine with optimization T-PE 431 OPT.



Cutting Precision, speed, quality and ease of use are some features presented by computer controlled T-PE 431 machine with optimization.

With its computer controlled cutting optimization feature which is achieved by optimization software it guarantees best cutting performance with a very easy operation interface. All these advantages make the machine preferable when compared to classical panel cutting machines.

Independently working cutting and scoring motors assure a perfect cut. Cutting motor is of 7,5 kW, scoring motor is of 2,2 kW power.

Saw cutting height is suitable for cutting 4 work-pieces (4 X 18mm) at the same time. Cutting and scoring saw heights are adjusted automatically according to the height of work-piece.

The speed of saw group can be adjusted continuously between 45 m/min. and 90 m/min. The precision in this speed is provided by servo motor and suitable gears.

Another important advantage is the simplicity of changing the saws. They can be replaced easily when needed.

The machine controlling computer hosts Opticut software. This software even makes possible to use the visual drawings imported from different design softwares. Opticut converts these drawings to appropriate cutting lists. These cutting plans are applied to work-pieces in most suitable form.

Functions like ;

- Appropriate cutting speed
- Cleaning cut
- Saw height
- Best feeding speed

Are all controlled through the Opticut program.

- Even most complicated dimensions can be programmed easily.
- Dimensions and numbers of cut panels can be easily figured out at the program screen.
- It is also possible to carry out manual cut operation.
- The program tells when any error occurs and shows at the screen.

With all above features and more the panel cutting machine T-PE 431 with optimization challenges the CNC cutting machines. Its competitive price and high productivity make it the best deal which you can afford to purchase.

TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Electric Supply | : 400 V 50 Hz |
| Total Electrical Power | : 17 kW |
| Air Pressure | : 8 Bar |
| Cutting Width | : 4.200 mm |
| Cutting Depth | : 4.200 mm |
| Cutting Height | : 72 mm |
| Operation Speed | |
| Cutting Saw Group – Back-Forward | : 45 – 90 m/min. |
| Rear fence – Back-Forward | : 45 m/min |
| Saw Motor Power | |
| Cutting Saw | : 7,5 kW |
| Scoring Saw | : 2,2 kW |
| Saw Motor frequency | |
| Cutting Saw | : 2.200 – 4.500 rpm |
| Scoring Saw | : 3.000 – 6.000 rpm |
| Saw Dimensions | |
| Cutting Saw | : $\phi 355 \times \phi 30 \times 4,4 \text{ Z:}72$ |
| Scoring Saw | : $\phi 180 \times \phi 30 \times 4,4 \text{ Z:}36$ (Conical) |
| Dust Collector Hose Diameter | : $\phi 150$ mm (3 pcs) |
| Machine Working Area | : 6,4 X 7,5 m (48 m ²) |
| Machine width | : 6.400 mm |
| Machine Length | : 7.500 mm |
| Machine Height | : 2.000 mm |
| Machine Weight | : 4.000 Kg |

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