

GO ! 1300 M-ATC



1. TECHNICAL EXPLANATIONS

EXPLANATION	UNIT	VALUE
X AXIS DIMENSION	mm /inch	4200 / 165
Y AXIS DIMENSION	mm /inch	1300 / 51
Z AXIS DISTANCE	mm /inch	60 / 2.36
X AXIS SPEED	m/min - IPM	80 / 3,149
Y AXIS SPEED	m/min - IPM	80 / 3,149
Z AXIS SPEED	m/min - IPM	20 / 787
GRIPPER STRUCTURE	pcs	Double
SPINDLE MOTOR POWER	kW / HP	5,5 kW / 7 HP ISO 30
MAGAZINE UNIT	Capacity	6 Tool
SPINDLE MOTOR RPM	Rpm	18.000
CAD/CAM PROGRAM	AES WOP or Alphacam Essential 2D (One-Post)	✓
BORING UNIT (10 Vertical + 3x2 Horizontal + 1 Saw)	n°	17
CONTROL UNIT	PC-BASED	✓
INSTALLED POWER	kW / HP	18 kW / 24 HP
WEIGHT	kg / Lbs	2650 / 5.842
MAX. SAW DIAMETER	mm / inch	120 / 4.72
INSTALLATION LAYOUTS	mm / inch	4510x2806x2200 177.5x110.4x86.6

2. GENERAL FEATURES

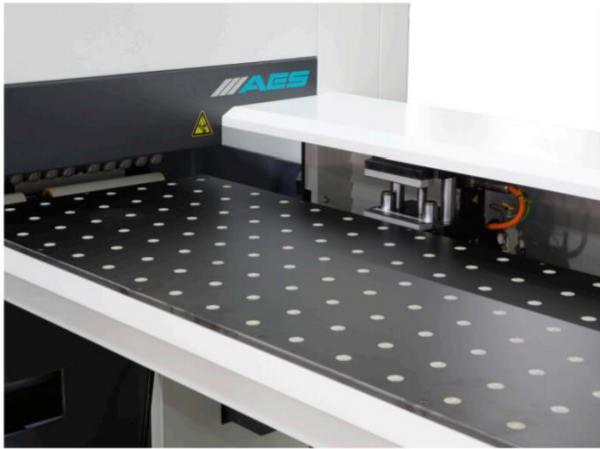
GO! is a drilling line machine to make drilling operations serially and effectively. It can be used for routing applications with spindle motor option. Machine can make vertical, horizontal drilling Operations and grooving with saw blade. Routing motor can make 3D processing and cutting Operations easily.

BODY STRUCTURE

Machine's body is made by completely electro welded steal, this structure provides excellent usage within heavy duty production conditions without any problem. Machine mechanical structure processed for ensures highest level precision and machine has been passed accuracy tests with high technology laser control device.

WORKING TABLE STRUCTURE

The Air Floating working table on the front and rear of the machine allows easy loading and unloading of the part with its ergonomic structure. Machine structure allows to make double sided loading.



MOVEMENT OF AXIS

All axis movement made by rack and pinions, all axis movement made by servo motors, and there is two servo motors each side of the bridge for X Axis. Servo motors is ultra-high inertia series and acceleration is excellent.

Axis Speeds: X – Y Axis 80m/min | Z Axis 20m/min

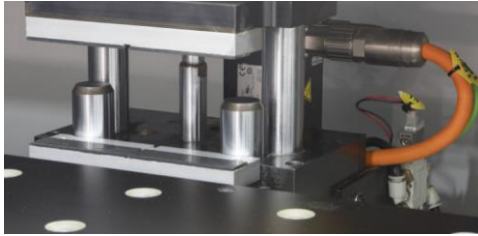
Machine has high precise and fast processing capacity thanks to quick data transfer.

CENTRALIZED LUBRICATION UNIT

Machine lubrication system makes high precision lubrication on the machine automatically. In that way machine main equipment's have longer lives and maintenance process will be longer. System use grease oil when making lubrication.

PRECISION GRIP SYSTEM

The precision gripper system allows the positioning of the part and optimum results during machining. Machine has double gripper which is ensures optimum processing results.



CONTROL UNIT

Operation system can be run with G codes, CNC control unit has four-axis Gantry control ability. Control unit provides excellent movement control with sensitive interpolation for all axis.

Remote control feature on the system provides connection with the machine which can use anywhere has internet connection, this feature provides full time support for after sales services.

Easy usage and user-friendly interface designed for used the machine easily by the operator. All functions of the machine can be controlled by the interface which is located on control unit thanks to user friendly design, error messages can seen on the screen and run the machine easy way.

CAD/CAM SOFTWARE



Machine has easy to use AES WOP program as standard on the machine.

*Simple, interactive, and parametric design of the panel.

*Large library of geometric macros.

*Solid panel rendering and machining simulation.



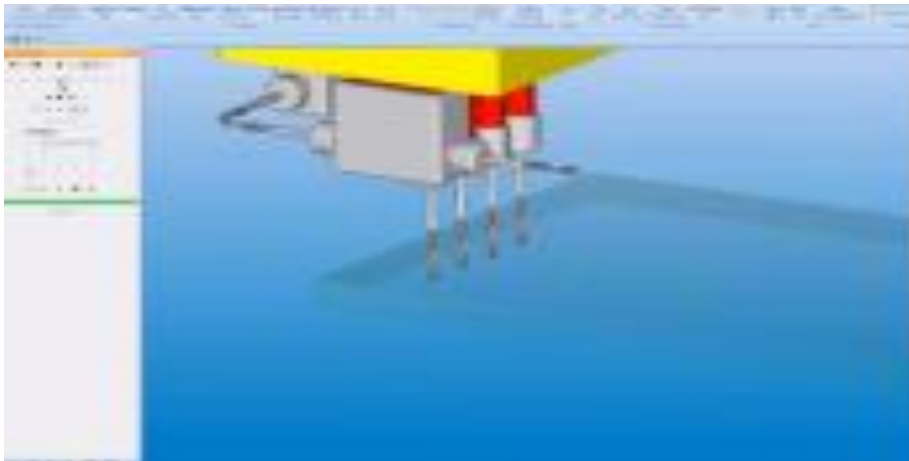
alphacam

Machine can be supplied Alphacam Essential 2D version CAD/CAM program as standard feature, program can upgrade according to customer needs.

Alphacam is a full-featured, easy-to-use CAD/CAM solution for manufacturers desired fast, efficient toolpaths and the generation of reliable, machine ready CNC code.

BORING UNIT SUPPORT

Program has multi drill command tool paths which is matched with drill diameters on boring unit and machined automatically, at the same time multi drilling operations can make by the program.



3. MAIN EQUIPMENTS

BORING UNIT – 10 VERTICAL – 3x2 HORIZONTAL – 1 SAW BLADE



Machine has been designed to make drilling operations high precise and fast cycle speeds. There is 17 tool capacity Boring Unit on the machine.

- 10 Vertical Spindle, 6X – 4Y Axis direction
- 3x2 Horizontal Spindle, 1 Saw Blade (120mm)
- Maximum vertical spindle speed 6.000 rpm
- Maximum horizontal spindle speed 4.740 rpm
- Maximum saw blade speed 7.500 rpm
- Driver Power 1.7 kW
- Tool connection Ø10
- Weight 45 kg
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SPINDLE MOTOR 5,5 – 7 KW



Machine has 5,5 kW HSD spindle motor. Spindle motor provides excellent results on routing applications include 3D processing.

- Power 5,5 – 7 kW
- ISO 30 Connection Type
- Maximum 18.000 rpm
- Voltage 380 V
- Forced air cooling

ROTARY MAGAZINE

The automatic tool change unit, which comes with the ATC model, allows different types of tools to be changed quickly and easily, allowing different types of processing.



4. PARTS AND ACCESSORIES INCLUDED PRICE

HSD Boring Unit (10 Vertical + 3x2 Horizontal + 1 Saw Blade)	1 pcs
HSD 5,5 kW ISO30 Spindle Motor	1 pcs
Rotary Magazine Unit (6 PCS)	1 pcs
Air Flotation Working Table	2 pcs
Gripper System for Piece Transport	1 pcs
AES WOP or Alphacam Essential 2D CAD/CAM Program(One Post)	1 pcs
AES Drill Macro Drill Program (One Post)	1 pcs
Tool Holder	6 pcs
Collets	6 pcs