



Woodworking Technology



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MASTER DRILL TF 600KT



M0TF600T001

N. 1

TF600KT
COMPACT WOODWORKING CENTRE FOR PANELS OF SEVERAL SIZES

SPEED TECHNICAL SPECIFICATION

MAX.GRIPPER SPEED: 25 M/MIN

MAX.SPEED Y AXIS: 90 M/MIN

MAX.SPEED Z AXIS: 50 M/MIN

WORKING AREA DIMENSIONS:

*PANEL THICKNESS: 9~60MM

*PANEL LENGTH:

70-2800 MM

*PANEL WIDTH:

35-1000 MM

*TOTAL POWER:21.90 KW

*POWER OF UPPER SPINDLE: 5.5 KW (FOR AUTOMATIC TOOL CHANGER)

*POWER OF LOWER SPINDLE: 3.5 KW

DUST OUTLET:

-D=200*1

-D=100*1

AUTOMATIC LUBRIFICATION

THE LUBRIFICATION OF MECHANIC PARTS, X AXIS (CLAMPS) AND

SLIDING SKATES OF THE MACHINE IS MANAGED BY CN.

LUBRIFICATION OF Y AND Z AXIS IS CENTRALISED AND MANUALLY MANAGED.

THIS REDUCES MAINTENANCE TIME AND AVOIDS DAMAGES.

5 POSITION AUTOMATIC TOOL CHANGE FOR UPPER SPINDLE

BASEMENT

HEAVY MONOLITHIC BASEMENT. ELECTROWELDED AND
ADEQUATELY RIBBED STRUCTURE TO GUARANTEE RIGIDITY AND LONG LASTING
PRECISION.



DCOTF600T0002

N. 1

BORING HEAD

ONE UPPER AND ONE BOTTOM BORING HEADS

FOR VERTICAL AND HORIZONTAL DRILLING.

INDEPENDENT LAUNCH OF EACH MANDREL THROUGH

PNEUMATIC CYLINDERS FOR SINGLE OR MULTIPLE BORINGS.

MACHINING OF ALL THE 6 SIDES OF THE PANEL.

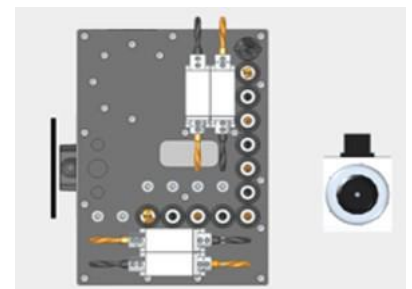
COMPOSITION OF UPPER BORING HEAD:

X AXIS VERTICAL SPINDLES: 8

Y AXIS VERTICAL SPINDLES: 4

X AXIS HORIZONTAL SPINDLES: 2x2

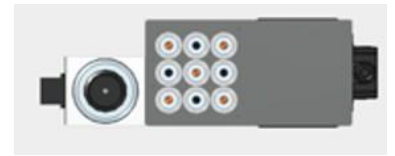
Y AXIS HORIZONTAL SPINDLES: 2X2



COMPOSITION OF BOTTOM BORING HEAD:
9 VERTICAL SPINDLES

C/C BETWEEN THE SPINDLES: 32 MM

THE REFERENCE STOP OF THE PANEL IS MOUNTED ON THE BORING HEAD
ALLOWING THE OPERATOR TO PLACE THE PANEL TO WORK IN AN EASY, SAFE AND
SIMPLE WAY.



DCOTFTU0002 **N. 1**

BORING UNIT TF600KT
BORING UNIT INTEGRATED IN THE UPPER OPERATING UNIT
FOR LONGITUDINAL CUTS. DIAMETER 120MM



DCOTFMU0003 **N. 1**

MILLING UNIT
THE MACHINE IS EQUIPPED WITH TWO ELECTROSPINDLES:
- ONE ON THE UPPER HEAD: 5,5 KW TOOL HOLDER CONE CONNECTION ISO 30
(FOR AUTOMATIC TOOL CHANGER)
- ONE ON THE BOTTOM HEAD: 3,5 KW
DIRECT TOOL HOLDER CONE CONNECTION ER25

DETAILS:
MAX ROTATION SPEED 18.000 RPM
RIGHT ROTATION
ACTIVATION BY INVERTER
AIR COOLING

THE SUNCTION HOOD IS AUTOMATICALLY MANAGED AND IT IS SPLITTED
TO GAIN SPACE WHILE WORKING NEAR THE GRIPPERS.

CLAMPING DEVICE
ALL OPERATING UNITS HAVE CLAMPING DEVICES THAT ARE ACTIVATED
ACCORDING TO WORKING GROUP.



DCOTFTM0001 **N. 1**

TOOL CHANGER 5 POSITIONS FOR UPPER ELECTROSPINDLE
POSSIBILITY TO MANAGE TOOLS FOR CLAMEX
FOR VERTICAL AND HORIZONTAL MACHINING



DCOTFBB0001 **N. 1**

THE MACHINE IS EQUIPPED WITH ONE SET OF BORING BITS,
TOOLS FOR OPERATING UNIT AND SAW BLADE SO THE MACHINE IS
READY TO BE USED.

DCOTFGR0002 **N. 1**

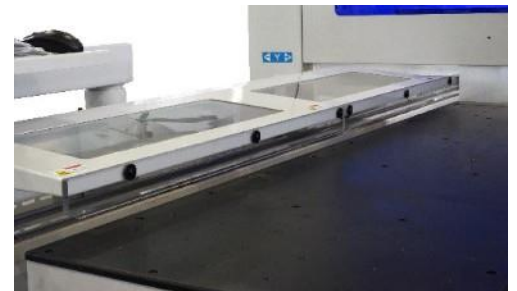
GRIPPERS
 PANEL MOVEMENT ON THE LONGITUDINAL AXIS (X AXIS) IS MADE BY TWO INDEPENDENT GRIPPERS THAT RUN ON DOUBLE LINEAR RECIRCULATING BALL RAILS COMPLETELY MANAGED BY NC. GRIPPERS ARE ALSO REFERENCE STOPS FOR PANEL ALIGNMENT.

GRIPPERS ALLOW MACHININGS WITHOUT REPOSITIONNING THE PANEL.



DCOTFWT0001 **N. 1**

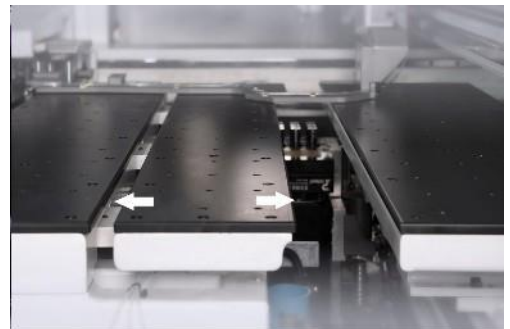
AIR FLOATING WORKING TABLE
 AIR FLOATING WORKING TABLE. PANEL MOVES ON AIR FILM TO AVOID ANY SCRATCHING OF THE PANELS WITH DELICATE SURFACES.



DCOTFWT0002T **N. 1**

SMART WORKING TABLE (PATENT)
 THE WORKING TABLE IS COMPOSED OF SCRATCH-RESISTANT MATERIAL AND HOLES THAT CREATE AIR LAYER FOR SAFER AND EASIER PANEL MOVEMENT. THIS PREVENTS PANELS FROM SCRATCHES. PARTS OF THE TABLE HAVE AUTOMATIC MOVING ALLOWING PRECISE MACHINING IN ALL POSITIONS AND CONTINUOUS WORKPIECE SUPPORT.

THE WORKING TABLE IS COMPOSED OF PHENOLIC MATERIAL
 IT CONSISTS OF A FIXED PART AND A "RIGHT - LEFT" MOBILE FLOAT, ALLOWING ALL THE PROCESSING AND KEEPING THE LARGEST SUPPORT SURFACE FOR THE WORKPIECE



DCOTFSAM001 **N. 1**

THE MACHINE TOP IS EQUIPPED WITH A SIDE-ALIGN MECHANISM MANAGED BY NUMERICAL CONTROL WHICH ENSURES THE PERFECT ALIGNMENT AND HIGH ACCURACY MACHINING.

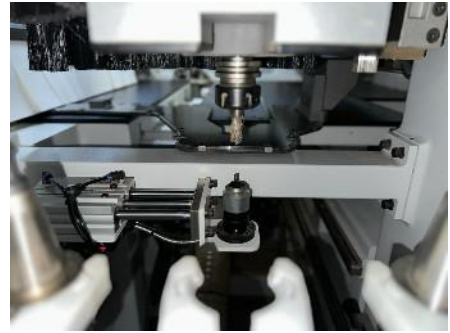


DCOTFWD001 **N. 1**

THE MACHINE IS EQUIPPED WITH HIGH PRECISION AUTOMATIC DETECTORS READING THE PANEL DIMENSIONS ALONG X-Y-Z AXES. THESE DETECTORS CAN BE SETTLED UP BY THE OPERATOR BEFORE MACHINING THE PANEL. MACHINE CAN CHANGE COORDINATES IN X DIRECTION ACCORDING TO THE DETECTED LENGTH.

DCOTFPU0001**N. 1**

AUTOMATIC DEVICE UPPER MILLING CUTTER LENGTH MEASUREMENT.
MACHINE IS EQUIPED WITH ACCURATE AUTOMATIC DEVICE FOR
UPPER MILLING CUTTER LENGTH MEASUREMENT.

**DCOTFUN0003****N. 1**

UNLOADING MODE
THE WORKPIECE IS ALWAYS LOADED AND UNLOADED ON THE OPERATOR SIDE.

DCOTFUC0004**N. 1**

LOADING TABLE
THE LOADING TABLE IS SCRATCHPROOF WITH SURFACE HOLES
THAT GENERATE AN AIR CUSHION FOR EASY HANDLING OF THE PIECE

DCOTFSW0001**N. 1**

SOFTWARE
TWO SOFTWARE INSTALLED ON THE PC FOR DESIGNING AND
MANAGING THE CONFIGURATION SYSTEM

MASTERWORK

MASTERWORK IS A GRAPHIC PROGRAMMING SYSTEM WHICH ALLOWS TO AVOID THE
ISO PROGRAMMING THANKS TO EASY, FAST AND INTUITIVE GRAPHIC INTERFACE.
IT IS A REAL PROGRAMMING ENVIRONMENT ORIENTED TO THE WORKPIECE,
SPECIALLY DEDICATED TO WHOM HAVE NO EXPERIENCE OF PROGRAMMING.

MASTERWORK COMPLIES WITH WINDOWS STANDARDS AND GUARANTEES
THE IMMEDIATE AND EASY UNDERSTANDING OF ALL COMMANDS.

THE MAIN FEATURES ARE:

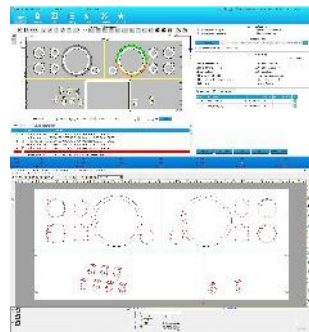
- THE FIRST ONE IS THE "CENTRAL WINDOW" (1) GRAPHIC AND INTERACTIVE
WHICH VISUALIZES THE MACHINING CARRIED OUT ON THE SELECTED SURFACE
WITH ZOOM POSSIBILITY AND PATH SELECTION FOR
MODIFICATIONS OR ADDITIONS.
- ON THE LEFT WINDOW, IT IS POSSIBLE TO ACTIVATE THE MACHINING
- IN THE RIGHT DOUBLE COLUMN, IT IS POSSIBLE TO SELECT THE VARIOUS
PHASES FOR CREATING THE PROGRAM.

MASTER DRILL

HUMAN INTERFACE SOFTWARE FOR MANAGE ALL THE OPERATIONAL ACTIVITY
ON THE MACHINE

- FILES IMPORT

POSSIBILITY TO IMPORT ALL THE MAIN DATA FORMAT AS: .DXF, .MPR,
.XML OR .BBP



DCOTFMCS001 **N. 1**

MOVABLE COMPUTER STAND
IT CAN BE EASILY MOVED BY THE OPERATOR.
IT HAS BEEN DESIGNED TO REACH THE MAXIMUM ERGONOMIC LEVEL.



DCOTFPC0001 **N. 1**

PC CONTROL
PC CONTROL PROVIDED WITH KEYBOARD AND MOUSE



DCOTFBCR001 **N. 1**

WIRELESS BARCODE READER
ON THE MOVABLE COMPUTER STAND THERE IS A WIRELESS
BARCODE READER: BY READING THE LABEL ON THE PANEL, THE RIGHT PROGRAM
IS AUTOMATICALLY UPLOADED IN THE PC, THIS AVOIDS DOWNTIME AND DELAY IN
CHOOSING THE THE PROGRAM TO LAUNCH.



DCOTFSP0002 **N. 1**

SAFETY PROTECTIONS
THE MACHINE IS EQUIPPED WITH ALL SAFETY ACTIVE AND PASSIVE PROTECTIONS
TO GUARANTEE A COMPLETE OPERATOR PROTECTION.

EC CERTIFICATION FOR SAFETY DEVICES ACCORDING TO
EC STANDARDS IN USE.



OGT40050 **N. 1**

EUROVOLTAGE 380/400/415V 50/60HZ

OIMB0005C

N. 1

SEAWORTHY PACKING

- PALLET

- MACHINE COVERED WITH SEAWORTHY NYLON

* ATTENTION: NET PRICE
