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DONAU Donaumeric 440 (1125-3110019)



Control type
CNC

Construction year
2007

Machine no.
1125-3110019

Make
DONAU

Location
49779 Niederlangen

Equipment:

** Machine in top condition **
** 2026 serviced and repaired by the factory customer service **

Machine design
- Work table 1800 x 600 mm with 4T-slots
- Boom travel 1050 mm
- SK 40 drilling spindle with tool clamping device
- Infinitely variable speed programming
- Infinitely variable quill feed via three-phase servo motor
- 2 T-slots 18 mm on the machine base at the rear
- 2 T-slots 18 mm on the left machine base frame
- Thread cutting device
- Central lubrication
- Coolant device
- Machine light
- CE marking
- Safety device

- USB interface

Dimensions and travels
Tool holder SK 40
Column diameter mm 195
Table dimensions mm 1800 x 600
Number of T-slots 4
Distance between T-slots mm 125
Quill stroke (Z-axis) mm 200
Column stroke (W-axis) mm 410
Distance spindle bottom edge - min mm 70
Table top edge max. mm 680
Distance spindle bottom edge - min mm 970
Floor max. mm 1580
Drilling radius mm 540 - 1590
Worktable height mm 900

Cutting values
Drilling capacity into solid St 60 ? 40
GG 22 ? 50
Thread cutting St 60 M 36
GG 22 M 42

Main spindle drive
AC motor, frequency-controlled kW 5.5 at 100 % ED.
Speed range: min -1 15 - 2800
Torque Nm max. 250
constant from min -1 15 - 2000

Feed drives
X-axis - AC - servo motor kW 0.25
Y-axis - AC - servo motor kW 0.25
Z-axis - AC - servo motor kW 4.50
W-axis - AC - servo motor kW 2.50
Rapid traverse speeds (X/Y/Z): m/min. 7,5 / 7,5 / 5
Rapid traverse speeds (W): m/min. 3
Feed rates stepless mm/min 5 - 2000

Accuracy
Positioning accuracy X-, Y-axis
to 1200 mm mm Â± 0.075

Electrical data
Operating voltage / frequency V / Hz 400 / 50
Control voltage V 24
Hydraulic unit for clamping kW 0.75
Total connected load kVA 13.0

Weight Danumeric 440 (without packaging)
with table 1800 x 600 mm kg 2800

CNC control
Axes: 3 (X, Y, Z,)
Processor: 32-bit CPU
Screen: TFT flat screen, backlit, easy to read from all sides
readable from all sides, 215 x 160 mm
Position information: Cartesian or polar, absolute or incremental measurements,
Unit of measurement: mm or inch or in degrees
Interpolation: 2 axes (X, Y)

Technology database: tool management, tool suggestions according to
machining type, material-dependent cutting data suggestions
Tool management: max. 500 tools
Subroutine technology: yes

Standard software options: Programming in dialog, 38 zero offsets, rotation and mirroring, teach-in for X,Y,Z, restart in program with selection functions for targeted entry
Zero point determination: Cycles for determining zero points by manually probing the workpiece for
by manually probing the workpiece for:
- any clamped rectangular parts
- any clamped round parts
- Mediation of cast and flame-cut parts
- Angular position detection for round parts by touching
reference edges or surfaces

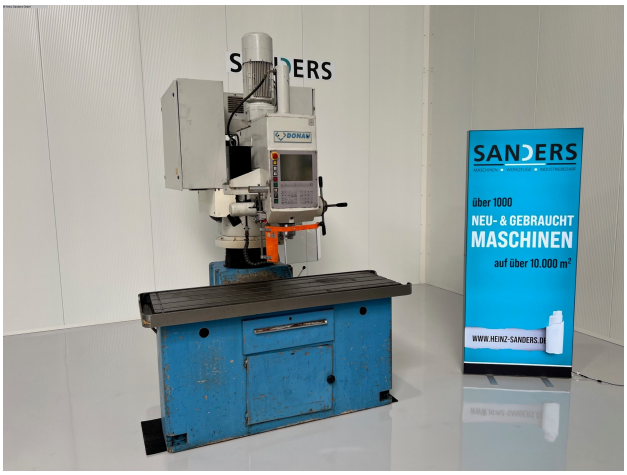
Test graphic Graphic display of drilling patterns

Machine attributes

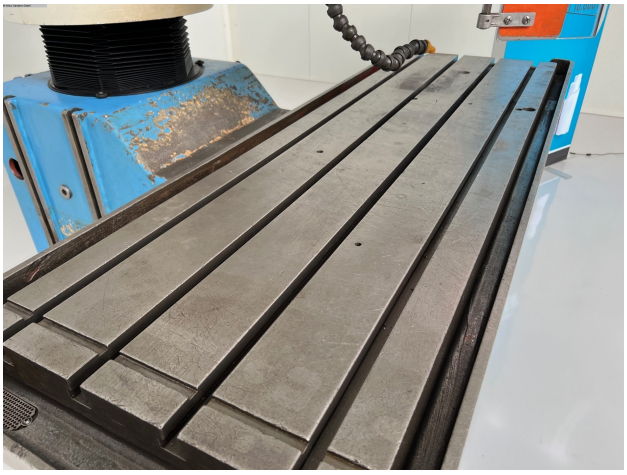
bore capacity in steel (diameter):	40 mm
arm length:	1050 mm
workpiece height max.:	- mm
turning speeds:	15 - 2800 U/min
feed range:	0,075 - 0,45 mm/min
dimensions:	2450 x 1300 x 2300 mm
Weight:	1500 kg

Machine images









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