



emco unimat 4

The Machining Centre



Basic Equipment



Lathe bed, head stock, tailstock, saddle and cross slide with single toolholder, 3-jaw chuck, fixed centre, drive motor, operating tools and operating instructions, spare part list.

EMCO Unimat 4:

Basic machine incl. bed for connecting vertical column

Best.-Nr. 177 0BC

Technical data

Basic machine

Height of centres	46 mm
Distance between centres	200 mm
Spindle nose	M 14x1 mm
Swing over bed	92 mm
Turning \varnothing above cross slide	62 mm
Cross slide adjustment travel	52 mm
Leadscrew \varnothing	10 mm
Range of speeds	8 speeds 130–4000 rpm
Drive motor	Permanent magnet motor 65/95 W
Weight	6 kg

Vertical attachment

Max. working height	310 mm
Working radius	82 mm
Sleeve stroke	60 mm
Spindle nose	M 14x1 mm
\varnothing of vertical attachment	35 mm
Drive motor, speed	see basic machine



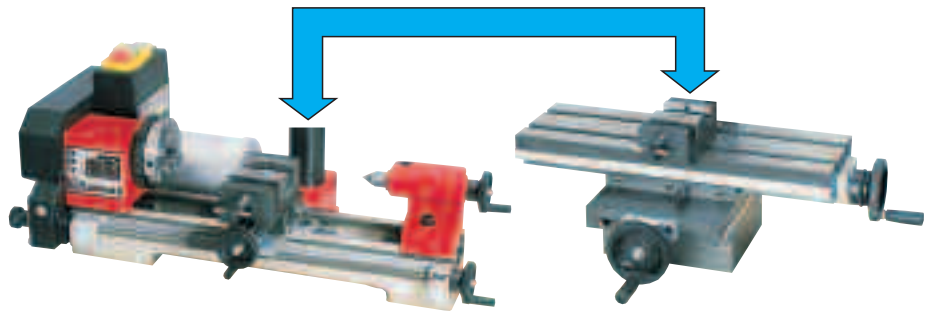
Like this or like that?

Always the best solution

The Unimat 4 together with the new vertical attachment (also for Compact 5) is a universal-machine tool.

»Turning – drilling – milling – thread cutting«

The vertical attachment in connection with the new co-ordinate table can be used as a separate drilling and milling machine.



Easy – accurate – precise

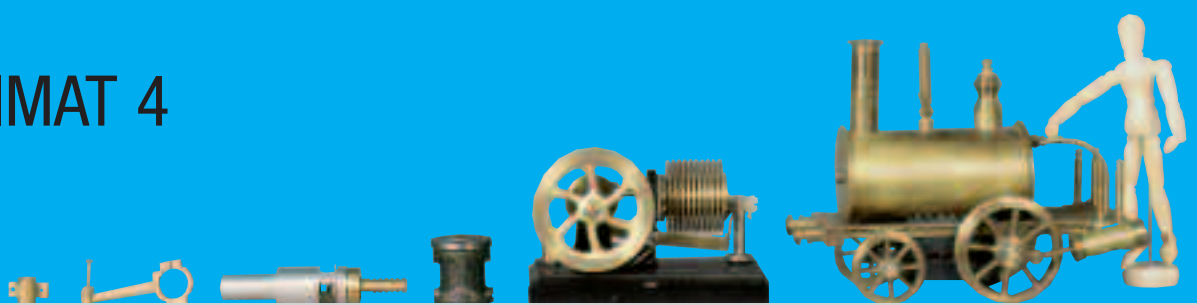
The new compact milling- and drilling machine consists of following accessories: Vertical attachment, Motor package, Co-ordinate table.



Unimat 4: The machining centre for various requirements. Vertical support with machine vice and collet chuck holder for milling cutters.

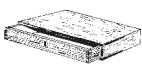
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EMCO UNIMAT 4



Precision hand-wheels with adjustable graduation rings (Accessory, Order No. 171 900)

Turning:



Machine base
complete with tool dower
Order No. 151 170



Centre turning device
Order No. 171 230



Rotary chuck standard
dia. 65 mm with 3 reversible
jaws and operating key
included with basic machine
Order No. 171 420



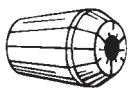
Face plate dia. 55 mm,
with 4 individually adjustable,
reversible jaws
Order No. 150 420



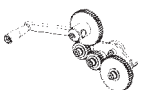
Clamping plate
with 2 clamping shoes, diameter
55mm
Order No. 150 360



Collet attachment
for collets type ESX-25, gripping
capacity 1.5 - 16 mm
(also for use with vertical attachment)
Order No. 200 050



Collets
Set of 15 collets ESX-25, gripping
capacity 1,5-16 mm
Order No. 225 000



Thread cutting gear
For Pitch:
Metric: 0,5/0,6/0,7/
0,75/0,8/1/1,25/1,5 mm
Inch:
17Gg", 32Gg", 34Gg", 36Gg",
42Gg", 50Gg"
Order No. 150 200

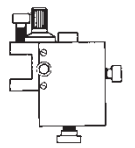


Three jaw drill chuck clamping
up to 8 mm with operating key
(also for use with vertical attachment)
Order No. 152 500



Live centre
Order No. 150 270

Hand-wheels with adjustable graduation rings, 3 pieces
Order No. 171 900

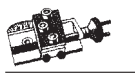


Quick-change tool holder
Order No. 171 390

Tool holder
for external and internal machining for
quick-change tool holder
Order No. 171 400



Feed gear
for automatic longitudinal feed
Order No. 150 300



Top slide for taper turning
Order No. 171 190



Fixed steady
for workpieces up to dia. 40 mm
Order No. 150 240

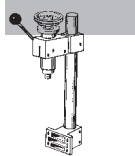


Wood turning attachment
Order No. 150 230

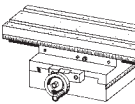


Wood turning tools
(3 pieces)
Order No. 119 200

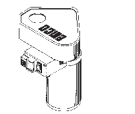
Milling and drilling:



Vertical attachment for Unimat 4
(also for Compact 5)
Order No. 200 100



**Coordinate table for Vertical
attachment No. 200 100**
Order No. 200 10T
Clamping surface 280 x 95 mm



Drive unit
for Unimat 4 and vertical attachment
Order No. 152 9AA



Vertical fine feed attachment
1 division = 0.1 mm
Order No. 151 110



Milling table
with 2 clamps, can be mounted on
cross slide for fixing or clamping
large-surface workpieces
Order No. 150 350



Cutter arbor
for circular saw blades
Order No. 151 070



Fly cutter
including internal turning tool, ground.
Shaft dia. 8 mm. Operating tool
Order No. 150 100



Vertical support
for drilling and milling work
Order No. 150 110



Machine vice
Clamping range 32 mm,
Width of jaws 46 mm,
Height of jaws 18 mm
Order No. 200 330



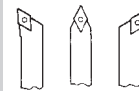
Dividing attachment
with integrated dividing plate for direct
dividing.
22 possible divisions: 2, 3, 4, 5, 6, 7,
8, 9, 10, 12, 14, 15, 16, 18, 20, 24, 28,
30, 36, 48, 56, 60
(also for Compact 5)
Order No. 200 330



Turning and thread cutting tools
6 turning tools, assorted,
ground,
dia. 6 x 6 mm
Order No. 111 500



2 threading tools
external and internal ground
dia. 6 x 6 mm
Order No. 111 600



Set of turning tools
incl. 5 carbide tips reversible
Order No. 172 040

10 reversible tips
Order No. 172 060

Large tool assortment:

15 twist drills dia. 1-8 mm in steps of 0,5 mm, 2 centering
drills dia. 1,5 mm, 4 grooving cutters dia. 3, 4, 5,
6 mm, 1 roughing cutter dia. 8 mm, 8 turning tools ground
assorted, 1 turning tool unground, 1 circular saw blade for
metal dia. 60 mm, 1 countersinker 90°,
1 slitting cutter dia. 16 x 4 mm
Order No. 152 100

Small tool assortment:

Twist drills dia. 2, 3, 4, 5 mm, one of each, 1 centering drill
dia. 1,5 mm, 1 countersinker 90°, 1 milling cutter dia. 4
mm, 1 slitting cutter dia. 16 x 4 mm
Order No. 119 000

Circular saw blade dia. 60 mm for metal
Order No. 123 100

Tool assortment comprising of:

2 centering drills dia. 1,5 mm, 4 grooving cutters dia. 3, 4, 5,
6 mm, 1 roughing cutter, 1 slitting cutter dia. 16 x 4 mm, 1
countersinker 90°
Order No. 172 020

Your **EMCO** -dealer:

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