



Ref. No.:

1150-12111225

## Overview and Technical Data:

### EMCO - Compact 5 Mini-Lathe

EMCO



Year of Build:  
Jan 1990

## Description:

# Used EMCO compact 5 Mini-Lathe

Build 1990

## Further DATA:

Compact 5 with the milling and drilling head fitted: capacity 2.56" x 13.78" (65 mm x 350 mm) with 6 spindle speeds from 200 to 2400 rpm. Long established and very popular, the Emco Compact 5 in its basic form does require a number of accessories to turn it into a useful work tool - if you are looking at a used example the most important accessories are a swivelling top slide (often referred to as the "compound" and the automatic carriage-feed mechanism - a 2-speed device that included 6 changewheels and a push/pull engagement knob for the dog clutch. Using the unit gave two rates of fine longitudinal feed (0.07 mm (0.003")/rev and 0.14 mm (0.006")/rev and five metric thread pitches (0.4, 0.6, 1.0, 1.25 and 1.5 mm) - though only four (16, 20, 24 and 32 t.p.i.) on inch machines. To make the screwcutting system complete a further set of 7 seven changewheels were offered that allowed, on metric lathes (with a 1.5 mm leadscrew), the generation 10 metric pitches from 0.25 to 2.5 mm and 14 inch pitches from 10 to 48 t.p.i. On inch models - the leadscrew was 16 t.p.i.) 13 pitches from 10 to 10 to 64 t.p.i. were provided together with 11 metric from 0.25 to 1.75 mm.

Running in deep-groove, sealed-for-life ball bearings the headstock spindle was bored through 16 mm, had a No. Morse taper socket and was equipped with a safe (though slow-to-change) "bolt-on" spindle nose flange. Driven by a 500 Watt motor, six spindle speeds were provided that ranged from 200 to 2400 r.p.m. on a 50-cycle supply and 250 to 2800 on 60-cycle (as used in North America). The speed range is pretty well spot-on for small modelling work, allowing larger casting to be turned as well as small pins.

Able to be set over for the turning of slight tapers, the tailstock carried a 22 mm diameter spindle fitted with a No. 1 Morse taper socket.

The usual wide range of factory-supplied accessories was available including (in addition to those already mentioned) a very useful if rather lightly-built power vertical milling and drilling head, 3 and 4-jaw chucks, dividing attachment, a T-slotted faceplate (also used as a "clamping plate" on the dividing attachment), T-slotted boring table, tailstock chucks and rotating centres, turning, threading and boring tool sets, a 2-way toolpost, quick-set toolpost, fixed and travelling steadies, top slide, splash guard and a collet attachment to take ESX collets from 1.5 to 14 mm.

## Technical Data:

### Technical Data:

Control:

CNC

Turning length:

350.00 mm

Turning diameter:

65.00 mm

Spindle Speed:

2400.00 rpm

Tailstock:

Yes

Bezel:

No

## **Dimensions and Weight:**

Weight:

50 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Available:

[Sold](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

[19 %](#)

Buyers Premium:

[16 %](#)

Location:

Germany

## **Images:**



### GRUNDAUSSTATTUNG

Maschinenbett, Spindelstock, Reitstock, Längs- und Querschlitten mit Einfachstahlhalter, Drehherz mit Sicherheitsmitnehmerscheibe, Körnerspitze MK1, Körnerspitze MK2, Drehstahlunterlagen, Bedienungswerkzeug, Betriebsanleitung, Serviceteilliste.  
Elektrik: Einphasen-Wechselstrommotor (220 – 230 V, 50 Hz) mit Motorschalter und Hauptschalter.

**Best.-Nr. 200 1AA**

### TECHNISCHE DATEN Drehmaschine

Spitzenhöhe	65 mm
Spitzenweite	350 mm
Drehdurchmesser über Bett	130 mm
Drehdurchmesser über Querschlitten	80 mm
Verschiebeweg Querschlitten	50 mm
Leitspindel Ø	12 mm
Leitspindelsteigung	1,5 mm
Nettogewicht ca.	20 kg
Aufstellfläche	980x470 mm

### Spindelstock

Hauptspindelbohrung	16 mm
Spindelinnenkonus	Werksnorm MK 2
Anzahl der Drehzahlen	6
Drehzahlbereich	200-2400 U/min
Motor: Aufnahmleistung (P1)	500 W S3-60%

### Reitstock

Pinolen Ø	22 mm
Reitstockkonus	MK 1
Pinolenhub	35 mm

### Gewinde und Vorschübe mit Vorschubeinheit (Zubehör)

#### Vorschübe:

2 längs	0,07 mm/U
	0,14 mm/U

### Gewinde

### Zusätzliche Gewinde mit dem 2

metrische	0,25 mm 0,75 mm
	0,3 mm 0,8 mm
	0,35 mm 1,75 mm
	0,5 mm 2,0 mm
	0,7 mm 2,5 mm

### Rechts- und Linksgewinde

Technische Änderungen, die der Pro  
ten wir uns vor.

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nach der 74 Seiten starken,  
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durchführt und Zubehöre sinn  
voll einsetzt.

**Best.-Nr. DE 200 1**



mm/°	0,07	0,14	
W	20	20	
Z1	25 60	50 60	
Z2	60 20	60 20	
L	H 60	H 60	

Diagram showing a gear assembly with three gears labeled A, B, and C. Gear A has 12 teeth, gear B has 23 teeth, and gear C has 31 teeth. A left arrow indicates a decrease in gear ratio.

200  
BC1

mm	0,4	0,5	0,6	0,7
W	20	20	20	20
Z1	H 60	H 72	H 60	H 72
Z2	20 25	25 30	60 50	35 25
L	60 H	50 H	60 H	60 H

n/1"	10	11	12	14
W	20	20	20	20
Z1	H 60	H 72	H 60	H 60
Z2	72 34	60 26	72 34	72 34
L	25 H	30 H	30 H	35 H

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 **EMCO**

**Compact**

**230** V~ **50** Hz **1/N/P**

$I_M = I_{max} = 2,3 A$  **S3-60%**

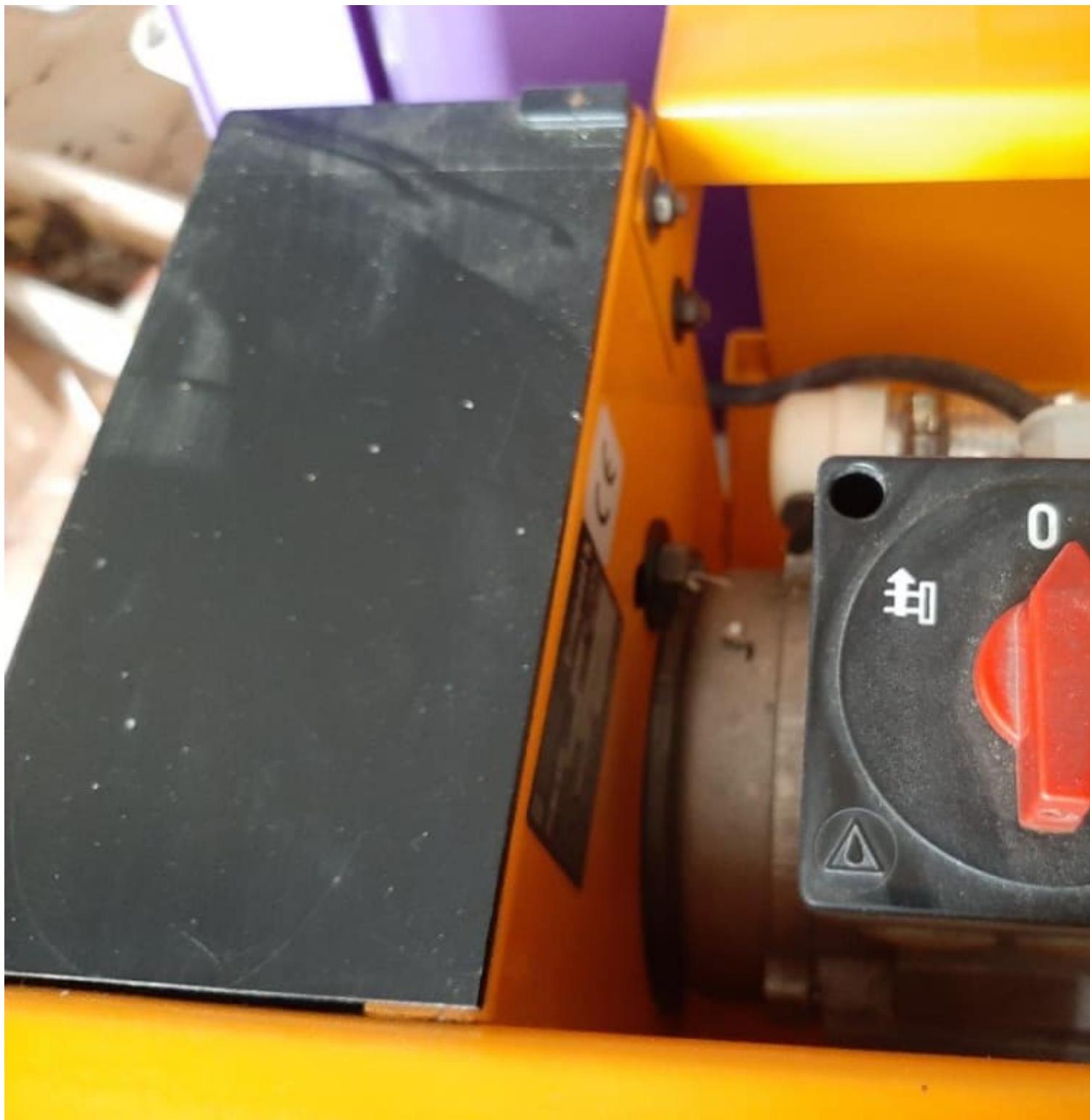
E-Doku. Ser.-No.:

Fabr.-No. **75A-14-010**

Baujahr/ Year of constr.:

Made by EMCO MAIER Ges.m.b.H., Hallstatt/AUSTRIA









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