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Ref. No.:  
825-06211722

## Overview and Technical Data:

# **EMAG KARSTENS - K21 External / internal cylindrical grinding machine**

**KARSTENS**



Year of Build:  
Jan 1989

Rebuild year:  
Jan 2011

## **Description:**

# **Used KARSTENS K21 Round Grinding Machine-Universal**

**2011 Overhaul by Weiss Schleiftechnik for almost 80,000 euros**

?Technical Data

- Grinding length 1500 mm
- Max. Grinding diameter 500 mm
- Top height: 250 mm
- Grindable bore max. Diameter: 3-300 mm
- Workpiece weight: 400 kg
- Workpiece spindle - bore: 52 mm
- Workpiece spindle speed: 15-135 u. 40-340 rpm
- Grinding spindle swivelability 0 - 180 degrees
- feed control
- Total power requirement: 12 kW
- Space requirement: 7,2x3x2 m

Performed machine overhaul in 2011

- Mechanical overhaul. Step 1 of the offer
- Replace hydraulic system and drive motor
- Soft start of the workpiece spindle
- Feed control F2001 / 1
- Electrical equipment (e-cabinet, control elements PLC control, etc.)
- Geometry acceptance according to DIN 8630
- Remontage and commissioning (1 day)
- packaging costs
- Crane truck (15 tons)
- Minus intra-company transport by HDM
- Partial painting of the reworked components
- Removal: pneumatic. Air cushion removal of the Z-axis upper table
- Completely new changing door with safety glass, fused with CE-marking
- Adjustable internal grinding wheel
- Hydraulic construction speed

## **Technical Data:**

### **Technical Data:**

Control:

HEIDENHAIN

### **Dimensions and Weight:**

Height:  
2.000 mm  
Length:  
7.200 mm  
Width:  
3.000 mm  
Weight:  
4.300 kg

### **Buyer Information:**

Condition:  
Very good condition  
Available:  
On Request  
Sold as:  
EXW (Ex Works - Incoterm)  
VAT:  
19 %  
Location:  
Germany

### **Images:**





















SUG  
Durchm.

Riem. Spin.  
m/sec

SUG-Dat.  
o.K.

Einstechen

Längsschl.  
Zust. Links

Längsschl.  
Zust. Rechts

F1

F2

F3

F4

F5

F6

Schruppen  
mm ; mue

Schlichten  
mm ; mue

Ausfunkz. /  
Leerhöbel

Rück.-Weg  
mm

Rückhol.  
erreicht

F7

F8

F9

F10

F11

F12



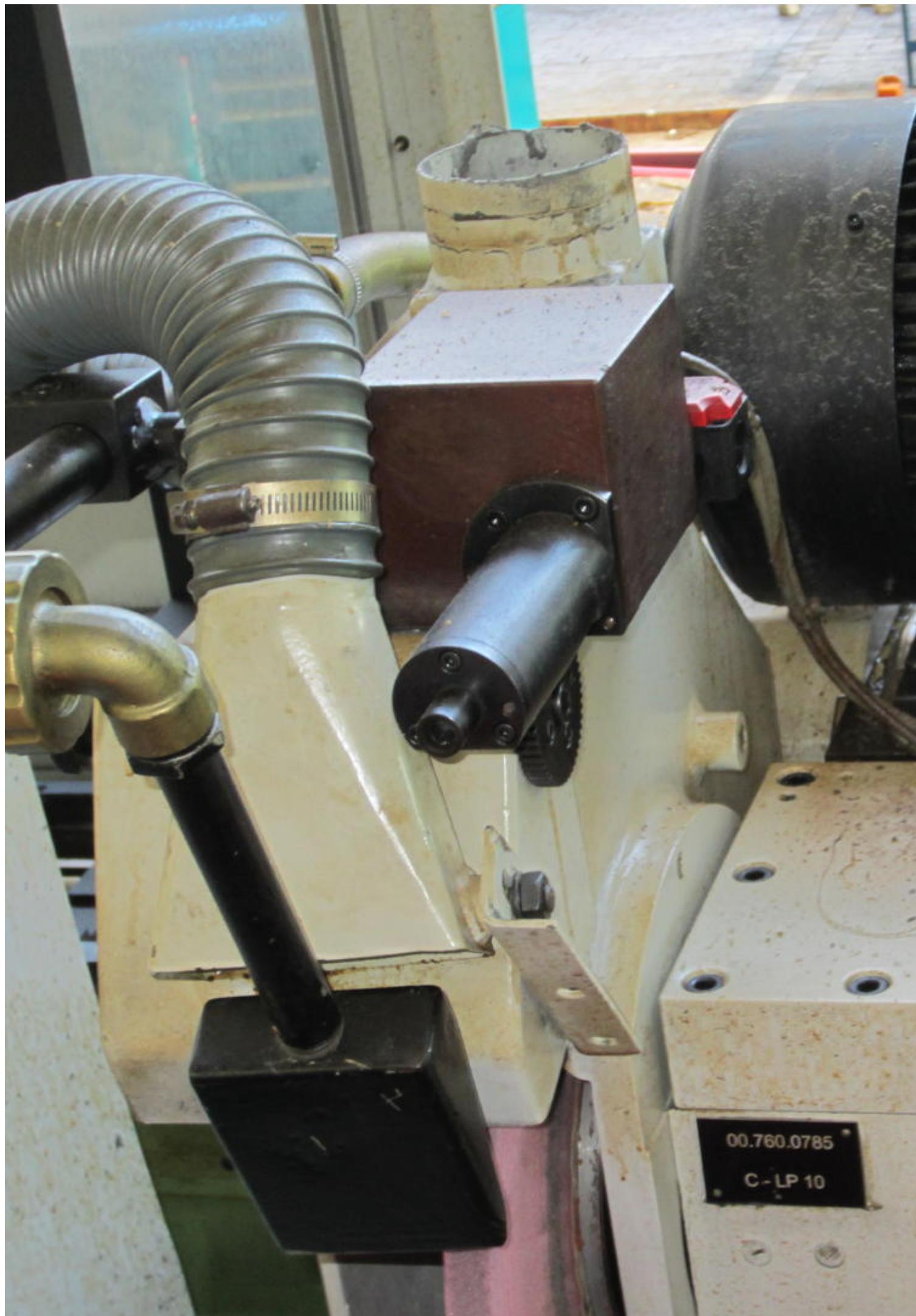
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HEIDENHAIN







Georg Karstens Gm  
7302 Ostfildern-R  
West Germany

88 018 16 21 1





Rundsc

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Neckarstraße 10  
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Auftrags-Nr.

Maschinen-Nr.

Baujahr

Betriebsspannung

Steuerspannung

Anschlußleistung

Vorsicherung



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F1

F2

F3

F4

F5

F6

Schruppen  
mm ; mue

Schlichten  
mm ; mue

Ausfunkz. /  
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Rück-Weg  
mm

Rückhol-  
erreicht

F7

F8

F9

F10

F11

F12



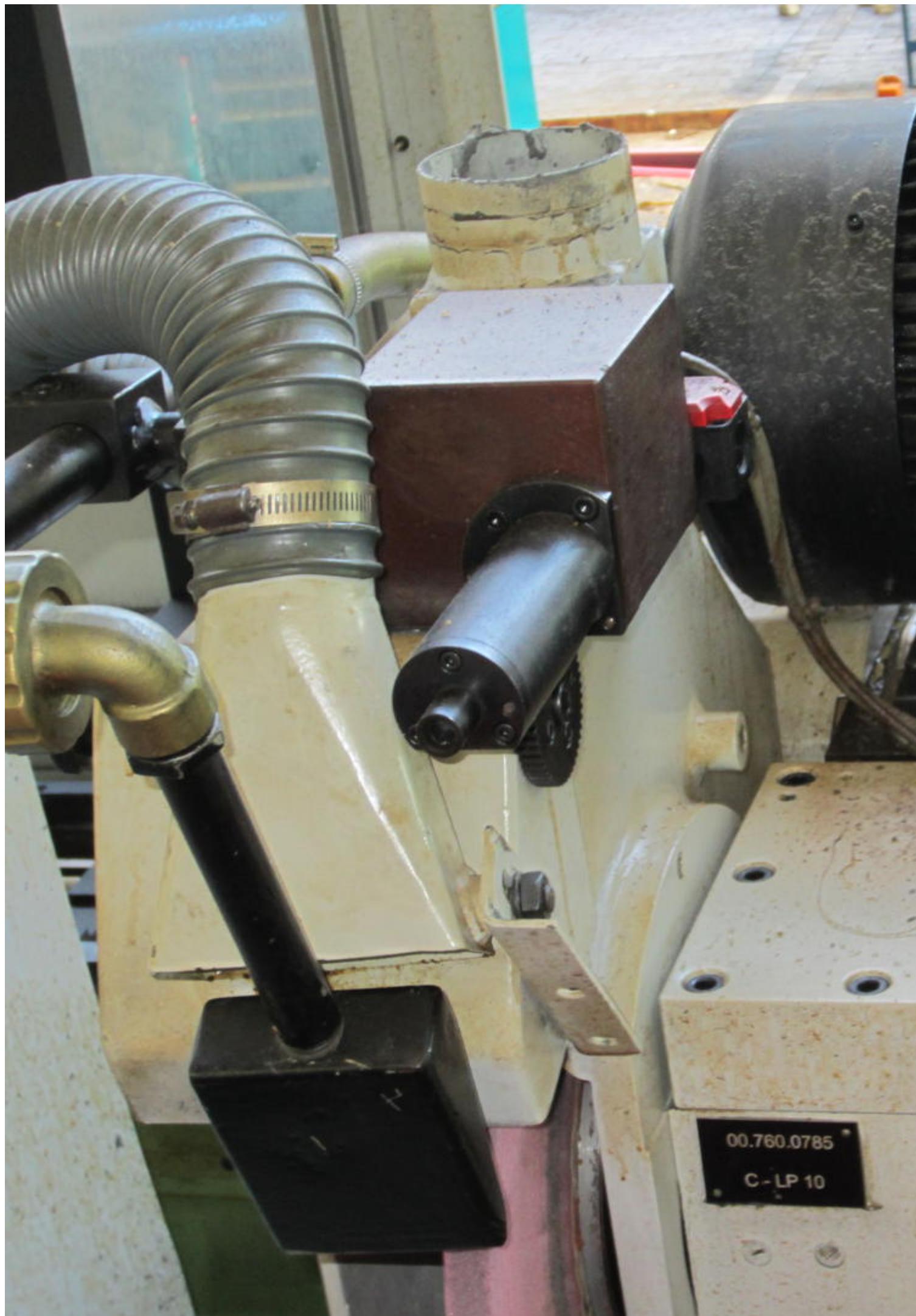
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HEIDENHAIN





00.760.0785

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