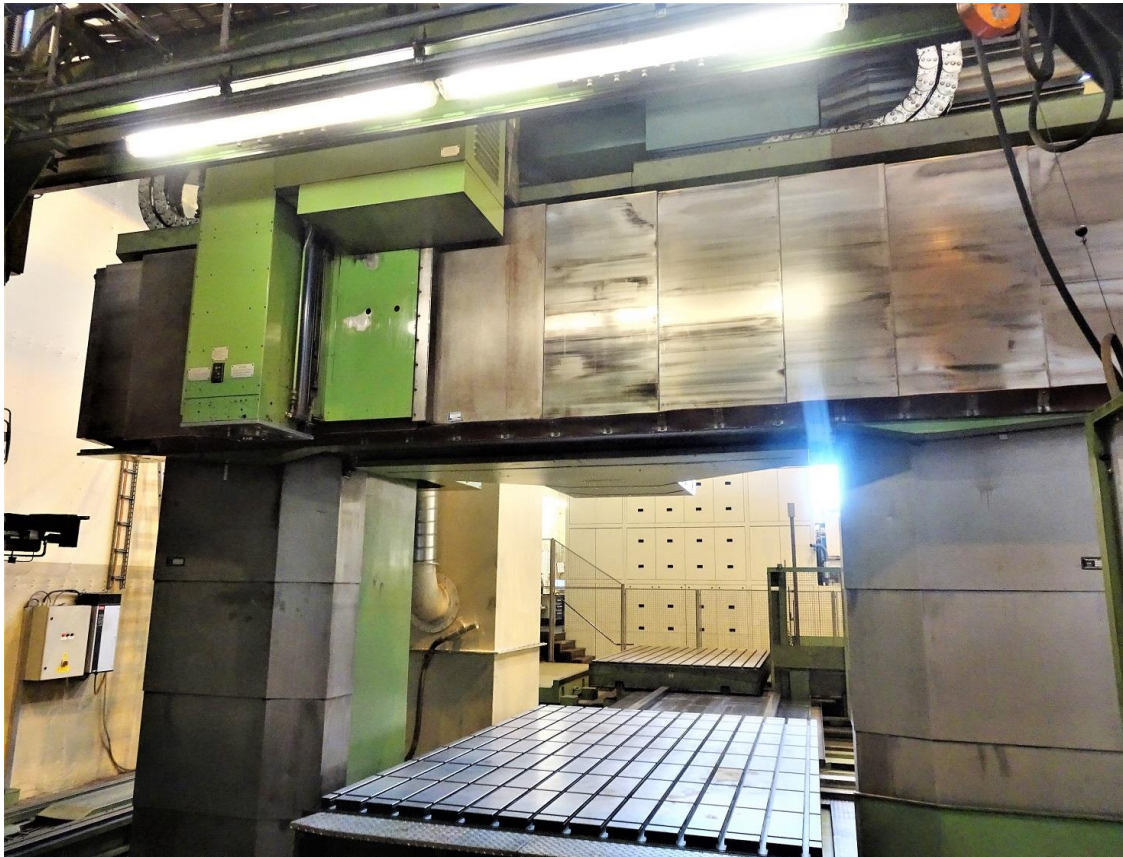


Specialized in used heavy machine tools from

**ERNST INDUSTRIEANLAGEN GMBH** **WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
 Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
 Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
 email: maschinen@web.de www.ernstmachines.de

**4 axis CNC – Plano Miller WALDRICH COBURG**  
**Type 17 – 10 FP 75 kW 275 x 400 (3P) , Serial No.: 2.8305.07**  
**YOM 1987, option: new CNC control SINUMERIK ONE**



machine at production place company Gebr. HELLER/Nürtingen

**We do guarantee the accuracy of a new machine!!**

#### **technical high lights**

- CNC portal type machining centre with adjustable cross rail
- main spindle motor 75 kW, ram design 600 x 600 mm
- large range of spindle speed, max. 2.000 rpm, low base speed 76 rpm, high torque
- automatic pallet changer
- automatic serving device for HSU
- HSU, automatic mounting, index able 4 x 90 degree and heel clearance
- steel telescopic way covers in x and y axis
- hydrostatic guide ways in x and y axis
- ball screw spindle for the table drive
- inner cooling system through the spindle



**Specialized in used heavy machine tools from**  
**WALDRICH SIEGEN    WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
 Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
 Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
 email: maschinen@web.de www.ernstmachines.de



### technical details

#### distance between

columns	mm	3.100
top of table to spindle nose	mm	2.500

#### 3 pallets with automatic pallet serving system

clamping area pallet 1 2 3	mm	2.750 x 4.000
max. work piece widths	mm	3.100
max. work piece weight per pallet	t	40

#### milling head

spindle motor (100% ED)	kW	75
speed range	min <sup>-1</sup>	5 – 2.000
base speed	min <sup>-1</sup>	76
max. torque	Nm	8.400
ram cross section	mm	600 x 600
tool adapter	ISO	60/50

#### pallet traverses (x - axis)

max. traverse of pallet carrier	mm	5.000
feeds/rapids	mm/min	1 – 15.000

#### traverse milling head (y - axis)

max. traverse	mm	5.440
feeds/rapids	mm/min	1 – 15.000

#### ram (z - axis)

max. traverse	mm	1.000
feeds/rapids	mm/min	1 – 10.000

#### cross rail (w - axis)

max. traverse	mm	2.500
feeds/rapids	mm/min	1 – 2.000

Specialized in used heavy machine tools from



**ERNST**  
INDUSTRIEANLAGEN  
GMBH

**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel. +49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de



### general machine size

machine lengths, approx.	mm	14.900
machine widths, approx	mm	11.800
machine heights (when top of table 500 above floor) appr.	mm	6.400
machine weight, approx	t	152
electrical details	V/Hz	480/50
max. power required	kVA	150

### accessories of the machine

- 1 piece RAA, with tool adapter ISO60
- 1 piece RAA, with tool adapter ISO50  
1 spindle extension 650 mm
- 1 piece special RAA
- serving system for RAA's

### delivery times

1. delivery direct after order
2. delivery oft he options 7 to 9 month after order
3. the foundation needs 12 weeks for drying

**Prior sales and mistakes in the technical details are explicit reserved!**

#### Payment conditions:

**For the machine: 100 % before delivery**

**For the options : 70 % after order**

**20 % against delivery**

**10 % against acceptance protocol**

**Best regards**



**(Elmar Ernst, CEO)**

**ERNST**  
**INDUSTRIEANLAGEN**  
**GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel. +49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de



**RAA and extension**

**ERNST INDUSTRIEANLAGEN GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de



mounting position for RAA



ram (600 x 600 mm) type machine with protection plate

**ERNST**  
**INDUSTRIEANLAGEN**  
**GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de

**Option: new electric cabinet, new CNC control**



**airconditioned electric cabinet**

**Specialized in used heavy machine tools from**



**ERNST  
INDUSTRIEANLAGEN  
GMBH**

**WALDRICH SIEGEN    WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
 Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
 Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
 email: maschinen@web.de www.ernstmachines.de



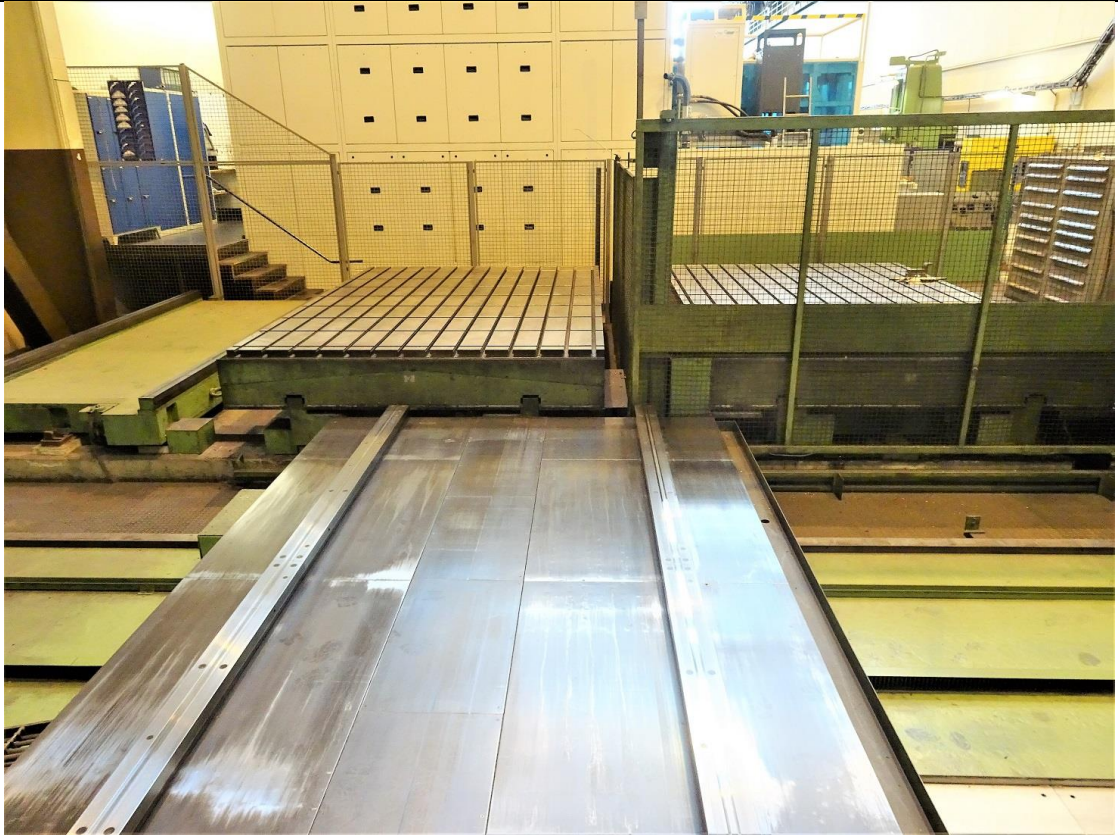


**new operators panel**

**ERNST**  
**INDUSTRIEANLAGEN**  
**GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel. +49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: [maschinen@web.de](mailto:maschinen@web.de) [www.ernstmachines.de](http://www.ernstmachines.de)



automatic pallet changer



**ERNST**  
**INDUSTRIEANLAGEN**  
**GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de



Machine at production place Gebr. HELLER Nürtingen, Germany

**ERNST**  
**INDUSTRIEANLAGEN**  
**GMBH**

Specialized in used heavy machine tools from  
**WALDRICH SIEGEN** **WALDRICH COBURG**

Dipl. Ing. Elmar Ernst Industrieanlagen GmbH  
Hüttenfeld 8 (street) D - 51427 Bergisch Gladbach (city)  
Tel.+49 2204 9844010 Fax +49 2204 9844011 mob +49 172 1520295  
email: maschinen@web.de www.ernstmachines.de



take high way no. 45 (Dortmund to Gambacher Cross), exit Freudenberg,  
from direction Dortmund, turn left, at the traffic light turn left, then direct left again,  
from direction Gambacher Cross, turn right, at the traffic light turn left,  
then direct left again, Spedition Bender  
first building on the left side, door 24