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Ref. No.:
1323-06081015

Overview and Technical Data:

MIKRON VCP/UCP 710 VMC with Heidenhain 426

[MIKRON](#)



Year of Build:
Jan 1999

Description:

Used MIKRON VCP/UCP 710 vertical Milling machine

CNC Controls Heidenhain TNC 426 M

Recent repairs: new ball screw X and Y-axis, axis controller X and Y-axis

Technical data:

- Table Size: 900x 600 mm
- Table load max.:1600 kg
- Travels:
 - Axis X (longitudinal): 710mm
 - Axis Y (cross): 500 mm
 - Axis Z (vertical): 500 mm
- Feeds Stepless X/Y/Z : 15m/min / 15m/min / 10m/min
- Rapid traverse X/Y/Z : 30m/min / 30m/min / 20m/min
- Spindle:
 - Spindle speed : 100-12.000 rpm
 - Spindle motor power: 22 kW
 - Spindle taper: SK40
 - IKZ
- Tooling:
 - Tool changer: 30x positions
 - Tool diameter (with adjacent tools): 90 mm
 - Tool diameter (without adjacent tools): 140 mm
 - Max tool length: 300 mm
 - Max tool weight:8 kg
 - Time of tool changing: 5 sec
- Noise level: 75 dB (A)
- Various accessories:
 - Coolant system
 - Chip conveyor
- Dimensions : Height 3250mm x Length2350 mm x Width 2930 mm

Technical Data:

Technical Data:

Control:

[TNC 426](#)

Machine Hours:

78.583 hrs.

Spindle Hours:

12.874 hrs.

Spindle Speed:

12.000 rpm

Tool Holder:

[SK40](#)

Tool Capacity:

30 x

Travels:

X-Axis:

710 mm

Y-Axis:

500mm

Z-Axis:

500 mm

Dimensions and Weight:

Height:
2.930 mm
Width:
2.350 mm
Length:
3.250 mm
Weight:
10.000 kg

Buyer Information:

Condition:
[Very good condition](#)
Availability:
[Sold](#)
Sold as:
[EXW \(Ex Works - Incoterm\)](#)
VAT:
[19 %](#)
Buyers Premium:
[18 %](#)
Location:
Germany

Images:



WFS M91

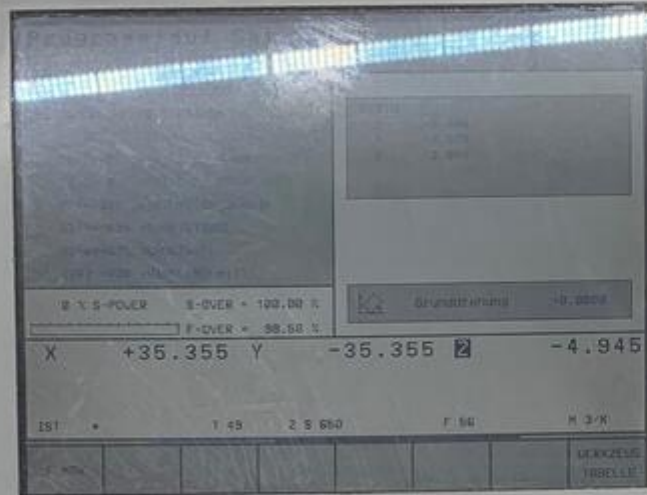
X+400

Y-80

Z-40

MIKRON
MULTI-CONTROL
SYSTEM

MIKRON



Navigation and alphanumeric keypad:

- Top row: Home, Left Arrow, 7 buttons, Right Arrow, Home.
- Row 1: !, #, \$, %, ^, &, ·, (,), {, }, ~, X.
- Row 2: ", Q, W, E, R, T, Y, U, I, O, P, RET.
- Row 3: SHIFT, A, S, D, F, G, H, J, K, L, ;, >, .
- Row 4: SPACE, Z, X, C, V, B, N, M, , , ? , >, SPACE.
- Right side numeric keypad:
 - Row 1: Orange arrow up, Orange arrow left, 8, 9
 - Row 2: Orange arrow down, Orange arrow right, 4, 5, 6
 - Row 3: Orange arrow left, 2, 3
 - Row 4: Orange arrow down, 0, ., 7, +
 - Row 5: Orange arrow up, +, Q
 - Row 6: CE, DEL, P, I
 - Row 7: NO ENT, two buttons
 - Row 8: Four directional arrows

Control knobs:

- Top knob: Scale 0-100, 50, 150. Label: 0 S %
- Bottom knob: Scale 0-100, 50, 150. Label: 0 F %

Function keypad:

- Row 1: PGM MOT, CALC, MOD, HELP, F1, FK, OFF, L
- Row 2: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol]
- Row 3: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol]
- Row 4: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol]

Emergency and power controls:

- Emergency stop: Red button with a stop symbol.
- Power: White button with a power symbol.
- Other: Green button, black button.

Axis and function buttons:

- Row 1: -X, +X, F1, F2
- Row 2: -Y, +Y
- Row 3: -Z, +Z
- Row 4: -IV, +IV
- Row 5: -V, +V
- Bottom row: [Symbol], [Symbol]

Large black knob:

- A large, multi-lobed black knob, likely for manual feed or a specific function.

External control panel:

- Top: Red and yellow emergency stop buttons.
- Middle: A large black knob.
- Bottom: A keypad with directional and axis buttons:
 - Row 1: -IV, +Z, +IV
 - Row 2: -X, +Y
 - Row 3: -Y, +X
 - Row 4: -V, -Z, +V



Manueller Betrieb

Steuerung ein	=	78583:52:51
Maschine ein	=	77887:01:38
Programmlauf	=	22320:15:42
Antriebe ein	=	32033:34:16
Spindel ein	=	12874:02:39

MIKRON

Mikron AG Nidau
Ipsachstrasse 16
CH - 2560 Nidau / Schweiz

Maschine
Machine

VCP/UCP 710

Steuerung
Control
Commande

TNC 426/430

10000 kg

3 Phasen
3 Phases

400 V

50 Hz

80 A

40 kW

Steuerspannung
Control circuit voltage
Tension du circuit de commande

24 V DC

Schema Nr.
Schema No.
Schéma No.

142.40.80.1x2

Serial Nr.
Serial No.
No. de serial

Schallpegel
Sound level
Niveau sonore

75 dB(A)

Baujahr
Model
Modèle

CE

1999

STEP TEC 

Step-Tec AG
Industriestrasse 45
CH-4542 Luterbach
www.step-tec.com

Serial No:

Type: HVCS212-S-12-1.7/12-1FD-ISO-B40
Ident No: 6010.050.D.10 I

Speed max:
12000 1/min

Code: 9744-07-1611LU-01-00

kW (S1):	12	12	12
A (S1):	55	29	22
V:	177	400	400
Hz:	63	150	400
1/min:	1760	4450	11850

DBL No: 140 198
Pole: 4
Class: IP55 F



Asset-Trade

Assessment and Sale of Used Assets world wide

Am Sonnenhof 16

47800 Krefeld

Germany

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Fax.: +49 2151 65 29 22

Email: info@asset-trade.de

Web.: <https://www.asset-trade.de/en>

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 - Coolant system
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Tool Holder:

[SK40](#)

Tool Capacity:

30 x

Travels:

X-Axis:

710 mm

Y-Axis:

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Z-Axis:

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Dimensions and Weight:

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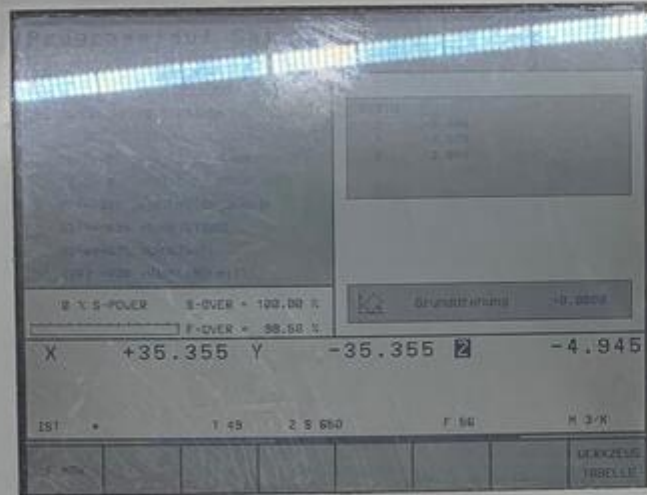
X+400

Y-80

Z-40

MIKRON
MULTI-CONTROL
SYSTEM

MIKRON



Navigation and alphanumeric keypad:

- Top row: Home, Left, Right, and Stop buttons.
- Alphanumeric keys: !, #, \$, %, ^, &, ·, (,), /, \, |, ~, X.
- Second row: ", Q, W, E, R, T, Y, U, I, O, P, RET.
- Third row: SHIFT, A, S, D, F, G, H, J, K, L, ;, >, .
- Fourth row: SPACE, Z, X, C, V, B, N, M, , , ? , >, SPACE.
- Right side numeric keypad: Orange keys for arrow directions (Up, Down, Left, Right), numbers 0-9, and symbols like %, +, =, /.

Control knobs:

- Top knob: Scale 0-100, 50, 150. Label: 0 S %.
- Bottom knob: Scale 0-100, 50, 150. Label: 0 F %.

Function keypad:

- Row 1: PGM MOT, CALC, MOD, HELP, F1, FK, OFF, L.
- Row 2: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol].
- Row 3: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol].
- Row 4: [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol], [Symbol].

Emergency and power controls:

- Emergency stop: Red button with a stop symbol.
- Power: White button with a power symbol.
- Other: Green button with a stop symbol, black button with a stop symbol.

Axis and tool call buttons:

- Axis: -X, +X, -Y, +Y, -Z, Z, -IV, +IV, -V, +V.
- Tool call: F1, F2, [Symbol], [Symbol], [Symbol], [Symbol].

Navigation and function buttons:

- NO ENT button.
- Directional pad: Up, Down, Left, Right arrows.
- Other: CE, DEL, P, I, [Symbol], [Symbol].

Large rotary knob:

- A large black rotary knob with a textured surface, likely for manual control or tool selection.

External control panel:

- Emergency stop: Red and yellow buttons.
- Directional pad: -IV, +IV, -X, +X, -Y, +Y, -Z, +Z, -V, +V.



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Schéma No.

142.40.80.1x2

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Schallpegel
Sound level
Niveau sonore

75 dB(A)

Baujahr
Model
Modèle

CE

1999

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Step-Tec AG
Industriestrasse 45
CH-4542 Luterbach
www.step-tec.com

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Generated on 26.05.2026

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