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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

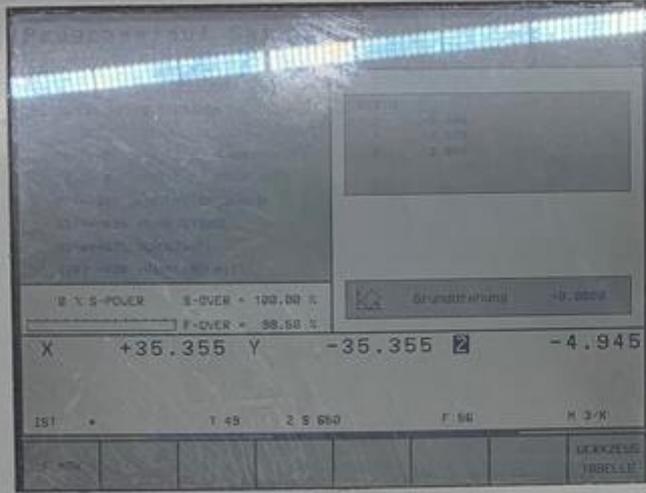
X+400

Y-80

Z-40

BRUNNEN  
KONTAKT  
MIDLAND

**MIKRON**



Control panel featuring a standard QWERTY keyboard with blue and white keys. To the right of the keyboard is a numeric keypad with orange and white keys. Above the keyboard are several function keys, including a circular refresh key, left and right arrow keys, and a power key.

Two rotary potentiometers for speed control. The top one is labeled 'S%' and the bottom one is labeled 'F%'. Both have scales from 0 to 150.

A grid of function keys including: PGM MOT, CALC, MOD, HELP, F1, F2, and various icons for program and tool management.

A row of physical controls including a red emergency stop button, a green start button, a white power button, and a black stop button. There are also two large red and yellow knobs on the left side.

A grid of directional and coordinate keys: -X, +X, -Y, +Y, -Z, +Z, -IV, +IV, -V, +V, and a wavy line symbol.

A set of four directional arrow keys (up, down, left, right) with a 'NO ENT' key above them.

A large black rotary knob with a textured surface, likely used for manual tool or table movement.

A separate control panel with a red and yellow emergency stop knob and a grid of directional keys: -IV, +IV, -X, +X, -Y, +Y, -Z, +Z, -V, +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

Tel.: +49 2151 32500 33

Fax.: +49 2151 65 29 22

Email: [info@asset-trade.de](mailto:info@asset-trade.de)

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Location:

Germany

### **Images:**





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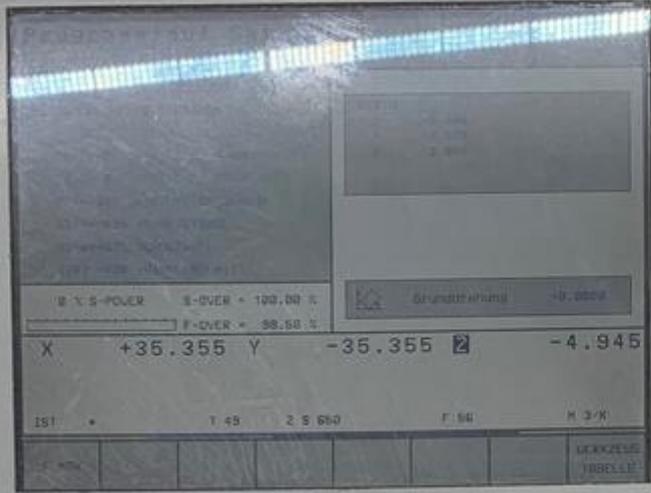
X+400

Y-80

Z-40

BRUNNEN  
FACHSYSTEM  
MIDLAND

MIKRON



Navigation and alphanumeric keypad:

- Top row: Home, Left, Right, and Stop buttons.
- Second row: !, #, \$, %, ^, &, ·, (, ), {, }, [, ], \, |, ~, X.
- Third row: ", ' Q, W, E, R, T, Y, U, I, O, P, RET.
- Fourth row: SHIFT, A, S, D, F, G, H, J, K, L, ;, >, ., /.
- Fifth row: SPACE, Z, X, C, V, B, N, M, , ., ? , >, SPACE.
- Right side: Orange arrow keys (Up, Down, Left, Right), numeric keypad (0-9), and function keys (CE, DEL, P, I).

Control knobs:

- Top knob: 0 to 150 S% (Spindle Speed) scale.
- Bottom knob: 0 to 150 F% (Feed Rate) scale.

Function keypad:

- Row 1: PGM MOT, CALC, MOD, HELP, FILE, 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 on: White button with a power symbol.
- Green button: Start/Run button.
- Black button: Stop/Reset button.
- Key: A key is inserted into a slot above the emergency stop button.

Axis and function buttons:

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

Large black knob:

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

External control panel:

- Red and yellow emergency stop buttons.
- Black knob.
- Grid of directional buttons: -IV, +Z, +IV, -X, +Y, -Y, +V, -V, -Z, +V.





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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  
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