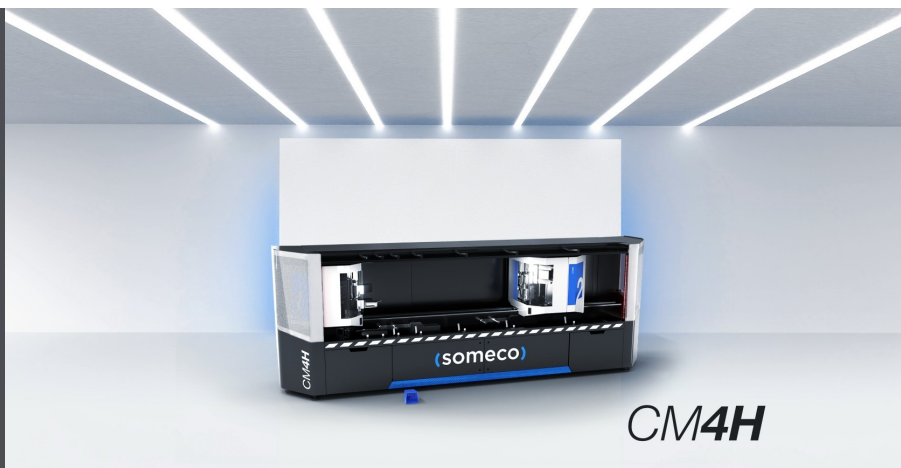




CM 4H

Complementary machines



Milling machine specifically designed for contouring PVC profiles that have been pre-cut at 45°. Integrated into the window production process alongside Someco SM series machines equipped with Seamless technology counterblocks, it prepares the profiles for the subsequent zero-seam welding phase. The CM 4H features two operating units: one fixed on the left and one mobile on the right. Each unit has three independent axes and controls three electro-spindles, one for the trimming blade and two for cutters of the same diameter. The machine can simultaneously process the four faces of two bars, ensuring a productivity level balanced with a 4-head welding machine. Programming can be done directly from the machine's console or by importing and executing predefined machining lists optimized by the office.

**CM 4H / COMPLEMENTARY MACHINES****AXIS TRAVEL**

| | |
|---------------------|-------|
| X AXIS (mm) | 3.200 |
| Y1 - Y2 AXES (mm) | 231 |
| Z1 - Z2 AXES (mm) | 393 |
| W1 - W2 AXES (mm) | 46 |
| Axes precision (mm) | ± 0,1 |

POSITIONING SPEED

| | |
|----------------|----|
| X AXIS (m/min) | 60 |
| Y AXIS (m/min) | 50 |
| Z AXIS (m/min) | 25 |

AXIS ACCELERATION

| | |
|----------------------------|---|
| X AXIS (m/s ²) | 8 |
| Y AXIS (m/s ²) | 8 |
| Z AXIS (m/s ²) | 8 |
| W AXIS (m/s ²) | 8 |

DIMENSION AND WEIGHT

| | |
|---|-----------------------|
| Overall dim. (width x length x height) (mm) | 5.230 x 1.090 x 1.860 |
| Weight (kg) | 1.600 |

WORK AREA

| | |
|---------------------|-------------|
| Profile height (mm) | 35 ÷ 110 |
| Profile width (mm) | 40 ÷ 130 |
| Profile length (mm) | 365 ÷ 3.500 |



END-MILLING AND MILLING UNIT

| | |
|---|--------|
| Number of electrosplindles | 3 + 3 |
| Blade units | 1 + 1 |
| Blade diameter (mm) | Ø 200 |
| Electrosplindle power in S1 for blade (kW) | 1 |
| Blade rpm max. (rpm) | 18.000 |
| Milling unit | 2 + 2 |
| Mill diameter max. (mm) | Ø 12 |
| Electrosplindle power in S1 for mill (kW) | 2 |
| Mill rpm max. (rpm) | 24.000 |
| Tool kit for machining of aluminium PVC hybrid profile and/or PVC profiles with fiber-glass reinforcement | ● |

MACHINE SPECIFICATIONS

| | |
|------------------------------|-------|
| Seamless profile preparation | ● |
| Swarfs and chips tray | ● |
| Profile counterblocks | ○ |
| Operating pressure (bar) | 6 - 7 |

COMMAND AND CONTROL UNIT

| | |
|------------------------|---|
| Embedded PC | Beckhoff |
| Communication protocol | EtherCAT |
| HMI | TS Display HD TFT 23,8" - "optical bonding" |

SOFTWARE

| | |
|------------------------------------|---|
| Microsoft® Windows® IoT Enterprise | ● |
| ContourCAM | ● |

Included ● Available ○