

## **TECHNICAL SHEET**

13/09/2025



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.

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## 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

X AXIS (m/min) Y AXIS (m/min)	
Y AXIS (m/min)	60
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Z AXIS (m/min)	25

AXIS ACCELERATION	
X AXIS (m/s²)	8
Y AXIS (m/s²)	8
Z AXIS (m/s²)	8
W AXIS (m/s²)	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 electrospindles	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	0
Operating pressure (bar)	6 - 7

COMMAND AND CONTROL UNIT	
Embedded PC	Beckhoff
Communication protocol	EtherCAT
нмі	TS Display HD TFT 23,8" - "optical bonding"

SOFTWARE	
Microsoft® Windows® IoT Enterprise	•
ContourCAM	•

Included ● Available ○