(someco)

a voilàp company

CM 4H FIRST EDITION

CONTOUR MILLING 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.

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The right to make technical alterations is reserved.

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CM 4H FIRST EDITION / CONTOUR MILLING 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/s²)	8
Y AXIS (m/s²)	8
Z AXIS (m/s²)	8
W AXIS (m/s²)	8

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)	2
Blade rpm max. (rpm)	18.000
Milling unit	2 + 2
Mill diameter max. (mm)	Ø 12
Electrosplindle power in S1 for mill (kW)	1
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

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SWARF EVACUATION

Provision for swarf exhauster system	●
Required negative pressure (mbar)	30
Required capacity (m³/h)	1.400
Suction inlet diameter (mm)	100

COMMAND AND CONTROL UNIT

Embedded PC	Beckhoff
Communication protocol	EtherCAT

SOFTWARE

Microsoft® Windows® IoT Enterprise	●
ContourCAM	●

Included ● Available ○

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