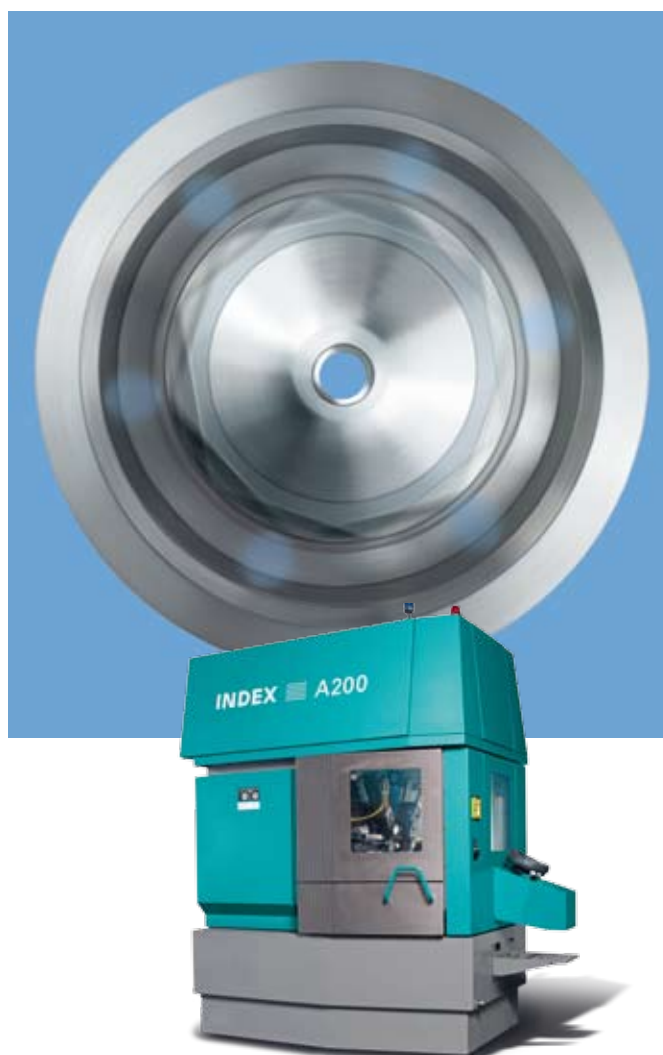


## SpeedLine A200

Production Turning Machine



## Simple, faster production

Cost-effective manufacturing of workpieces of simple and medium complexity is the strength of the INDEX

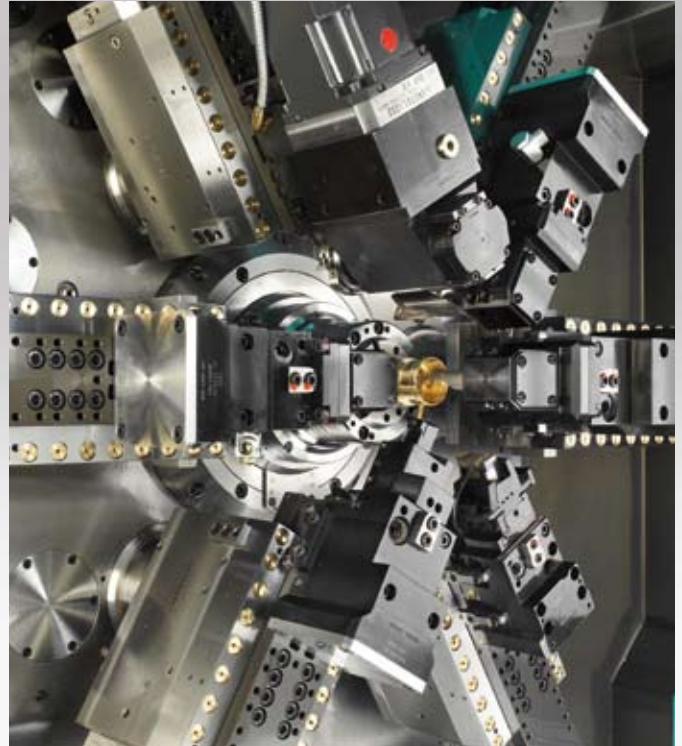
A200. This open-front single-spindle lathe offers speed and easy setup capability. Its clear construction with up to

six tool carriers allows the use of several tools simulta-

neously and guarantees optimum chip fall.



**Experience productivity with ease**



**Fast**

- Powerful work spindle with 65 mm or 90 mm bar capacity
- Synchronous machining with up to 6 tool carriers
- Synchronous spindle for rear end machining of the workpiece with up to 3 tools
- Minimized secondary times by lining up the next tools during the main time
- Short travels, but generous working area

**Simple**

- Fast setup through optimum accessibility
- Well-organized working area simplifies setup of the machine
- Programming with the Siemens 840D *solutionline control* (HMI operate)
- Synthesis of proven INDEX components of the single-spindle machine (main spindle) and multi-spindle machine (tool slide)
- Easy automation capability (front side)

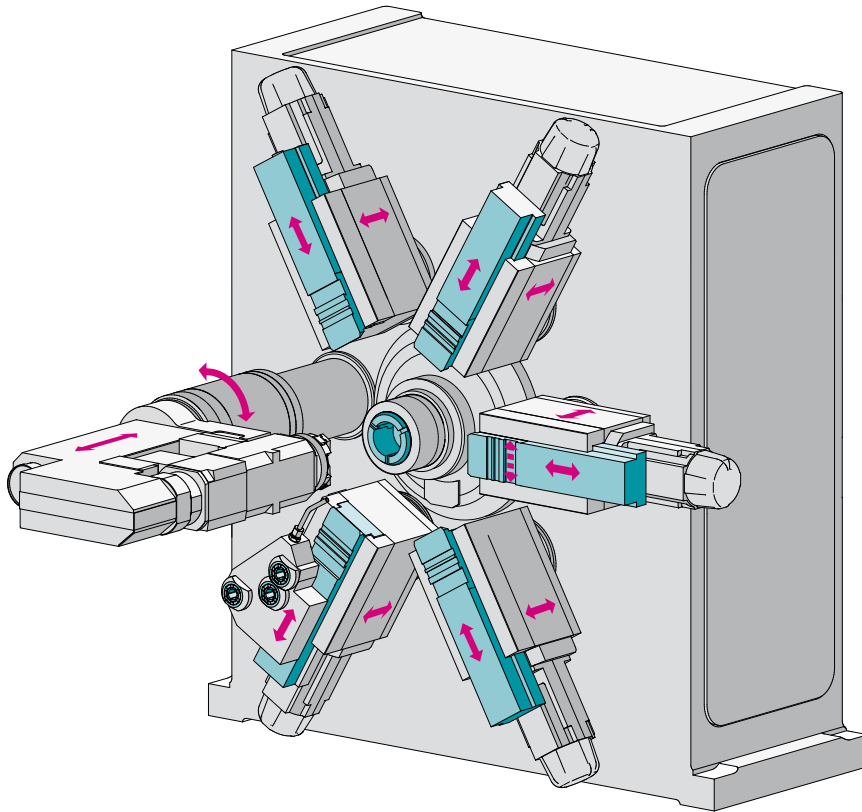
## Perfect combination: simple setup – fast production

The production turning machine INDEX A200, designed for efficient machining of chuck and

bar workpieces, sets new standards with regard to productivity and easy setup capability.

The optional synchronous spindle allows machining the rear of the workpiece.

Turned parts up to medium complexity can thus be cut efficiently and cost-effectively.



### Quick and easy setup

The ergonomic design of the INDEX A200, open to the front, allows optimum access to the working area. Tools and chucks are readily accessible and the convincing slide concept simplifies the setup process. This reduces downtimes, resulting in additional productivity increase in your production hall. Automation systems can be easily attached.

### Safe and dynamic production

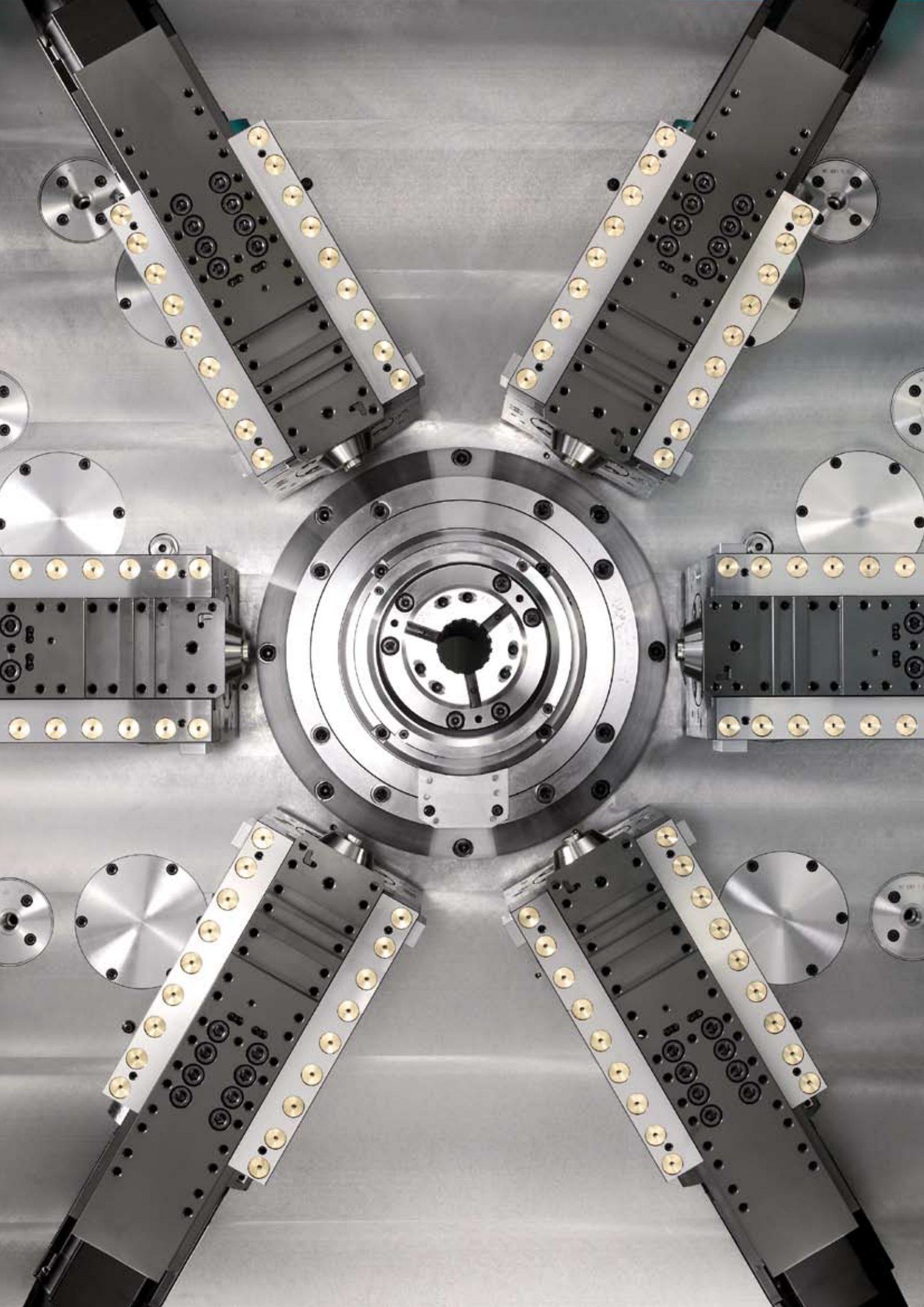
A symmetrical design comprising up to six tool carriers and a vertical machine bed ensures optimum conditions in standard production. The powerful work spindle with 65 mm or 90 mm bar capacity provides for high cutting volume. The proven tool carrier design with a hydrostatic quill guide prevents the slides from interfering with each other during cutting and ensures high precision.

### Small footprint, maximum power

The INDEX A200 is the successful result of developing a series that features very compact external dimensions despite its high power. You will save valuable floor space and thus produce even more cost-effectively.

### Siemens 840D sl - the ideal control

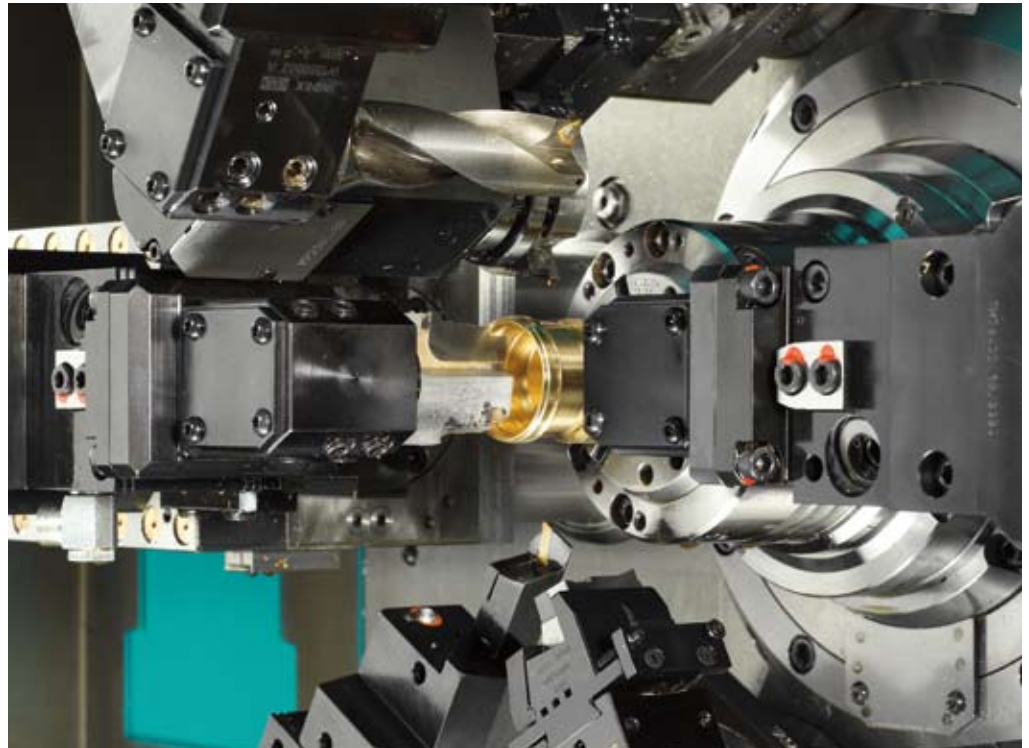
The fast and reliable CNC control convinces by a clear and intuitive menu guidance. Proprietary INDEX multi-channel functions enhance the ease of use and provide for safety. Short cycle times and numerous INDEX macros offer additional benefits.



## Cost-effective manufacturing ...

### Productive turning

The A200 is the ideal choice for cost-effective machining of barstock up to 90 mm in diameter or, as a different variant, for workpieces up to 160 mm chuck size with optional automated loading and unloading.



## ... for your range of parts

### An investment that pays off

Parallel use of up to six tools, optionally also with rear end machining, results in low cost per piece.



CuZn39Pb3 (MS58)  
SW 32 x 52 mm  
(1.3 Hex x 2.1 in)



X5CrNiMo17122  
Ø 48 x 18,5 mm  
(DIA 1.9 x 0.7 in)



CuZn39Pb3 (MS58)  
Ø 45 x 82 mm  
(DIA 1.8 x 3.2 in)



AlMgSi1  
SW 24 x 27,5 mm  
(0.9 Hex x 1.1 in)



CuZn39Pb3 (MS58)  
SW 59 x 35 mm  
(2.3 Hex x 1.4 in)



X5CrNiMo17122  
SW 38 x 25,5 mm  
(1.5 Hex x 1.0 in)

# Technical Data

## Main spindle

Maximum bar diameter	mm (inch)	65 (2.6)	90 (3.5)
Rotational speed	rpm	5000	3500
Power at 100%/40%	kW (hp)	31,5 / 32 (42.2 / 42.9)	29 / 40 (38.9 / 53.6)
Torque at 100%/40%	Nm (ft lbs)	125 / 170 (92.2 / 125.4)	142 / 207 (104.7 / 152.7)
Chuck diameter	mm (inch)	160 (6.3)	-
Spindle nose ISO 702/1	Size	140 mm (5.5 inch)	A8
C-axis resolution	Degrees	0,001	0,001

## Synchronous spindle

Chuck diameter	mm (inch)	110 (4.3)
Clamping stroke	mm (inch)	4 / 6 (0.16 / 0.2)
Rotational speed max.	rpm	6900
Power at 100%	kW (hp)	9,2 (12.3)
Torque at 100%	Nm (ft lbs)	11 (8.1)
Swivel angle from MS to 4.2	Degrees	72
Swivel angle to parts removal	Degrees	162
Swivel time	s	0,4

## Tool carriers max.

**6**

Slide travel X	mm (inch)	100 (3.9)
Slide travel Z	mm (inch)	180 (7.1)
Feed force	kN (lbf)	12 (2697.8)
Y-Axis	mm (inch)	± 28 (1.1)
Rapid traverse	m (inch) / min	15 (590.6)

## Weights and connecting power with max. configuration

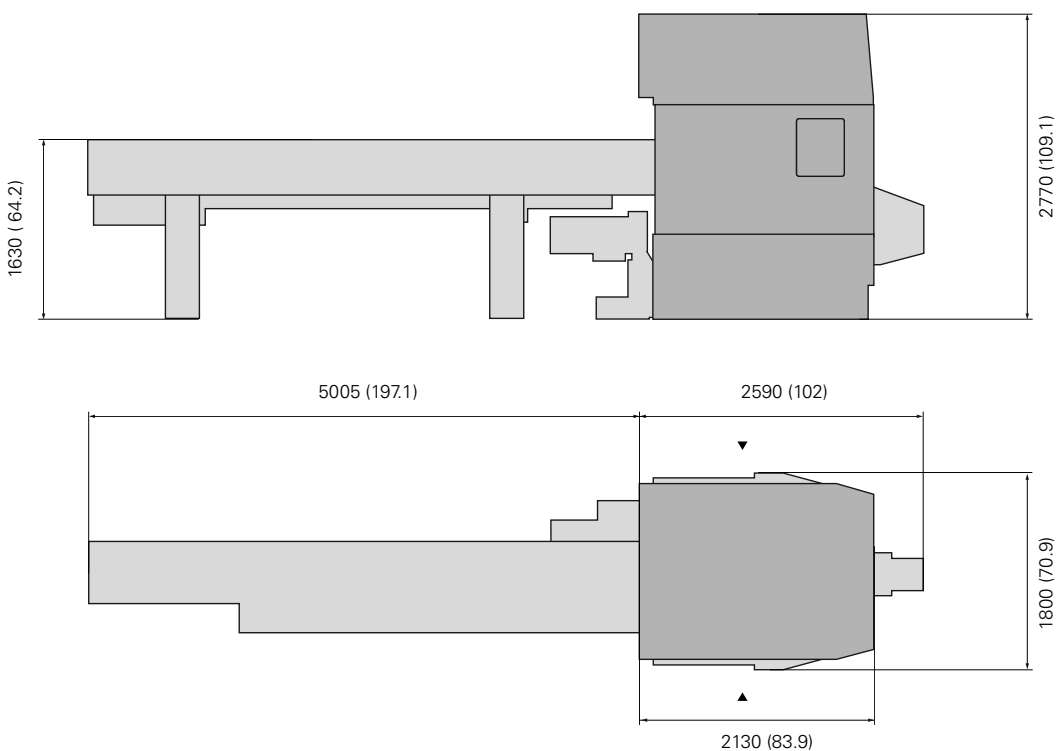
Weight	kg (lbs)	5000 (11022.9)
Connected power		40 kW, 48 kVA, 68 A
Three-phase current		400 V, 50/60 Hz

## Dimensions

L x W x H	mm (inch)	2130 x 1800 x 2770 (83.9 x 70.9 x 109.1)
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## Control

Siemens 840D *solutionline* (HMI operate)



# INDEX

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