AMADA

THV 800

Stock no. :1022-2465



MACHINE-DATA

Machinetype	: Duplex Type Milling Machine
Make	: AMADA
Type	: THV 800
Year	: 2011
Control type	: CNC
Control	: Fanuc
Storage location	: Hilden
Origin	: Japan
Delivery time	: Immediately
Quotation	: Ex warehouse, loaded on truck
Price	: on request

TECHNICAL DATA

workpiece sizes	800 x 800 x 230	mm
milling head	Ø 250	mm
workpiece weight	1200	kg
Control	Fanuc	
total power requirement	41	kVA
weight of the machine ca.	12	t
dimensions of the machine ca.	3425x4825x2592	m

TECHNICAL DESCRIPTION

AMADA CNC Double-Head Milling Machine THV 800
Condition: Well-maintained, regularly serviced by the manufacturer.

[Technical Specifications]
Material capacity length x widt x height:
70–800 mm x 70–800 mm x 20–230 mm
Material capacity (diagonal/across corners): 150–550 mm
Milling head diameter: Ø 250 mm
Max. depth of cut per milling head: 2.5 mm

Technical details and information subject to amendments and errors.

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Number of indexable inserts: 12 pieces
Milling spindle motor power: 2 x 11 kW
X-axis motor power: 7 kW
Y/Z-axis motor power: 2 x 4 kW
A-axis motor power: 0.9 kW
Hydraulic system motor power: 5.5 kW
Chip conveyor motor power: 2 x 0.2 kW
Spindle cooling motor power: 0.8 kW (optional)
Number of indexable inserts
Per milling head: 12 pieces
Worktable capacity: 1200 kg
Connected load: 41 kVA
Machine dimensions: 3425 x 4825 x 2592 mm (excluding safety fencing)
Milling tolerance: 0.03 / 300 mm
X-axis rapid traverse: 20 m/min
Y/Z-axis rapid traverse: 12 m/min
Operating speed (manual): 1–1500 mm/min
Operating speed (automatic): 1–5000 mm/min
Spindle accuracy: 0.001 mm (for a new machine)

High-productivity double-head milling machine for high-quality processing of plate material. Fully automatic machining of all four sides without the need to reclamp the material, resulting in high levels of squareness and parallelism.
The THV800 double-head milling machine concept has long been established as a series-produced machine in the Asian market, where it is used in the production of plates.
Its production advantages are leveraged in the tool steel trade, as well as in the manufacturing of components for mechanical engineering, the energy sector, transport technology, the automotive industry, and the aerospace sector.

[Description]
Material Clamping:
The material is secured using a hydraulically operated workpiece clamp.
The workpiece clamp and its corresponding support plate are very easy to change.
Once the material dimensions are entered, the system indicates the appropriate clamp to use; an indexing feature on the clamp then verifies that the correct one has been selected.
Clamping force can be adjusted in three stages.

Material Handling:

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Material handling is simplified through the use of side and front stop plates, which automatically position themselves based on the entered material dimensions.
Easy operation.
Machining of edges at a 45 deg. angle.
By simultaneously machining both sides with an equal depth of cut, high parallelism is achieved—provided the workpiece is positioned centrally before machining begins.
If the material is not centered, the system automatically machines only one side.
Compared to conventional machining methods, this dual-sided approach offers the following advantages:
Reduced handling time.
Lower error rate due to automatic measurement of material width.
Tighter tolerances achieved through automatic rotation of the workpiece.

The benefit to your production costs lies in higher manufacturing precision combined with a reduction in non-productive (auxiliary) time.

Control E.C.O.S.(Easy Conversation Operation System)
Simplified machine operation via a FANUC CNC system, which presents all data relevant to the machining process on a single screen for the operator.
Operating personnel do not require specialized knowledge of CNC systems or machining; instead, they are guided by the intelligent control system through built-in operational aids and handling instructions. Overload protection is provided by electronic monitoring of the milling spindle, with automatic power reduction.

With:
Swarf conveyor

VIDEO-LINKS

WEB-LINK

http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-2465

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