APPLIED MACHINERY

NEWAY

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NEWAY · HM/HE SERIES

Horizontal Machining Centres

From heavy-cutting HM machines to high-speed HE production centres and five-axis models, Neway's horizontal range covers complex housings, valves and production parts. Choose single- or twin-pallet configurations, with rigid cast structures and spindle options matched to the material and the job.



HE80D high-speed HMC · family images are representative

2,200 mm
X-axis travel on HM125 models

60 m/min
Rapid traverse on selected HE models

4,000 kg
Table load on HM125 heavy-cutting models

01 Built for stable cutting

One-piece beds, thick internal ribs and frame-type columns resist bending and twisting. Finite element analysis guides the casting design for rigidity and vibration absorption.

02 Keep production moving

Twin-pallet models let operators prepare the next workpiece while machining continues. HE50D pallet exchange takes 12 seconds; HE63D and HE80D take 16 seconds.

03 Spindles to suit the work

HM geared spindles provide low-speed cutting torque. HE machines add faster spindle options, while swing-head and rotary-table models extend the range into five-axis work.

04 Control heat and chips

Pre-tensioned ballscrews and spindle cooling help manage thermal growth. Automatic conveyors clear chips; hollow ballscrew cooling is available on selected models.



HM range heavy-cutting horizontals



HM five-axis swing-head machining



HE65FA direct-drive rotary axes

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HM/HE SERIES · THE RANGE

Eight families, one platform

Headline figures per family. Full specifications, options and pricing are available from Applied Machinery.



HM50 / HM63

Compact heavy-cutting machines with single- and twin-pallet choices.

Table	**500×500 – 630×800 mm**
X travel	**850 – 1,000 mm**
Spindle	**4,500 – 6,000 rpm**

HM50TSA · HM63TEA · HM63TS/TD · HM6380TD



HM80 / HM100

Larger geared-spindle machines for housings and heavy components.

Table	**800×800 – 1000×1000 mm**
X travel	**1,400 – 2,100 mm**
Load	**1,600 – 3,000 kg**

HM80TEA/TS/TD · HM8080TD · HM100TS/TD/LS/LD



HM125 Heavy-Cutting

Large-capacity horizontals, with boring-shaft variants available.

Table	**1250×1250 mm**
X travel	**2,200 mm**
Load	**4,000 kg**

HM125TSA · HM125TDA · HM125TBS · HM125TBD



HE50 High-Speed

Fast production milling with compact 500 mm pallets.

Table	**500×500 mm**
Rapids	**up to 60 m/min**
Spindle	**6,000 – 12,000 rpm**

HE50S · HE50D · HE50DA



HE63 / HE80

High-speed production centres with larger work envelopes.

Table	**630×630 / 800×800 mm**
Rapids	**60 m/min**
Spindle	**10,000 rpm**

HE63S/D · HE80S/D



HM Five-Axis

Swing-head machines for multi-face work in one clamping.

X travel	**2,100 – 2,200 mm**
A axis	**±105°**
Spindle	**15,000 rpm**

HM100TLU · HM125TU



HE65FA Five-Axis

Direct-drive rotary axes for small and medium production parts.

Table	**Ø650 mm**
Load	**400 kg**
Rapids	**60 m/min**

HE65FA



HE80US Universal

Swivel-head design for vertical and horizontal machining.

Table	**800×800 mm**
Load	**2,000 kg**
Spindle	**12,000 rpm**

HE80US

BUILT FOR

Automotive • Aerospace • Construction machinery • Motors • Valves & pumps

Figures are taken from Neway product data and vary by model and configuration. Specifications are subject to change without notice; please confirm before ordering.