APPLIED MACHINERY

NEWAY

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NEWAY · SPECIAL PURPOSE & FMS

Grinding & Automation

From ball-valve and thread grinding to EV component machining and automated production lines, Neway brings dedicated machines together with articulated robots, gantry handling and single-machine automation to suit the part and the process.



SMG63HA CNC ball-valve grinding machine

75–2,400 mm
Ball outside diameter, SMG range

1,000 mm
Grinding length, GET20100

3 formats
Articulated, gantry & single-machine

01 Grinding for the component

SMG machines cover spherical valve parts, GVC handles internal, external and face grinding, and GiT and GET models are dedicated to internal and external threads.

02 EV machining applications

Neway's EV range covers battery trays, motor housings, gearbox housings and shafts, using horizontal, vertical and gantry machining centres alongside CNC lathes.

03 Handling to suit the work

Articulated robot lines suit complex parts and multiple processes. Gantry systems serve discs, shafts and boxes, with single-machine loading for individual operations.

04 Production-line experience

Neway's FMS examples combine machining centres and lathes for flywheel housings, engine shells and input shafts, with automatic lines also shown for generator claw poles.



SMG100H Ø630–1,100 mm balls



PME2030V EV battery-tray machining



GiT15 internal thread grinding

APPLIED MACHINERY

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SPECIAL PURPOSE & FMS · THE RANGE

Eight families, one platform

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



Ball-Valve Grinding

Dedicated spherical grinding for valve balls.

Ball OD	**75–2,400 mm**
Wheel	**up to 6,000 rpm**
Power	**15–80 kW**

SMG32H · SMG63HA · SMG100H · SMG240H



Compound Grinding

Vertical grinding of bores, outside diameters and faces.

Bore Ø	**50–1,200 mm**
Table Ø	**1,200 mm**
Load	**4,000 kg**

GVC125



Internal Threads

Dedicated internal thread grinding with direct-drive axes.

Grind Ø	**10–200 mm**
Length	**150 / 200 mm**
Lead angle	**±15°**

GiT15 · GiT20



External Threads

External thread grinding for short and long components.

Grind Ø	**10–200 mm**
Length	**300 / 1,000 mm**
Lead angle	**±35°**

GET1530 · GET20100



EV Components

Machining solutions for battery trays, housings and shafts.

Example	**PME2030V**
Table	**2000×3000 mm**
Spindle	**20,000 rpm**

HE · PM · VM · NL · VNL series



Articulated Robot

Robot-linked cells for complex parts and multiple processes.

Format	**Fixed or travelling**
Handling	**Articulated robot**
Example	**VM950S cells**

Example shown: garden machinery housings



Gantry Automation

Overhead handling for discs, shafts and box-shaped parts.

Format	**Gantry robot**
Layout	**Single or multi-machine**
Example	**NL201HA line**

Example shown: generator claw poles



Single-Machine Cells

Automatic loading and unloading at an individual machine.

Loading	**In- or out-of-machine**
Process	**Individual operations**
Example	**NL161HC cell**

Example shown: engine-valve production

BUILT FOR

Valves • Automotive & EV • General engineering • Energy • Component production

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

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