

PDF CAPACITY AND FACILITY FILE:

GEAR RACK PRODUCTION

NC and CNC Rack milling machines. Capacity range 0.5 module (64DP) up to 28 module (1DP), 450mm maximum face width (580mm maximum overall width), 450mm maximum depth, 12metre maximum practicable length (re-index after 4.1metre length).

Straight full depth and stub, spur and helical tooth form up to 45-degree helix to BS/ISO, DIN and AGMA specifications for 14.1/2, 20 and 25-degree pressure angle.

Standard cumulative pitch quality to BS/ISO Grade 8 (0.10mm per 300mm), to precision Grade 5 (0.032mm per 300mm).

Ancillary CNC machining for ending, drilling etc.

Mating spur or helical gear pinions are supplied to bespoke requirements.

SCREW CUTTING

Thread whirling up to 160mm dia, 12.2metre thread lengths, 25mm pitch maximum.

Thread milling up to 250mm dia x 5metre length and 90mm dia x 7.5metre length, 25mm pitch, multi starts up to 250mm lead.

Internal thread nut cutting up to 250mm dia, 25mm pitch, and multi starts.

Anti-backlash and nut assemblies to customer's requirements.

Archimedean, reverse traverse, level wind screws and followers.

Bespoke screw cutting is complimented with a range of stock trapezoidal, steel screws and phosphor bronze nuts (plain cylindrical and flanged). Sizes Tr 12x3 up to Tr 60x9.

FACILITIES

Turning 610mm max dia x 2.7m between centers.
150mm max dia x 7.5m between centers.

CNC Turning 300mm max dia x 1010mm.
63mm max dia with bar feed.

Vertical Milling 915mm height x 915mm width x 2m long, 2 tonne capacity.

CNC Vertical Milling 300mm height x 500mm width x 4m long, 2 tonne capacity.

CNC Drilling 3.7m length, 56mm max drill dia.

Cylindrical Grinding 300mm max dia,
150mm max dia between 3.2m centers.

Cranage 5 tonne

Inspection Equipped to fulfill all modern engineering QC practices and standards from goods received, through manufacturing and finished goods to final dispatch. The equipment and gauges are calibrated and recorded on a regular basis to traceable national standards.