

teco-werkzeugmaschinen gmbh & co kg

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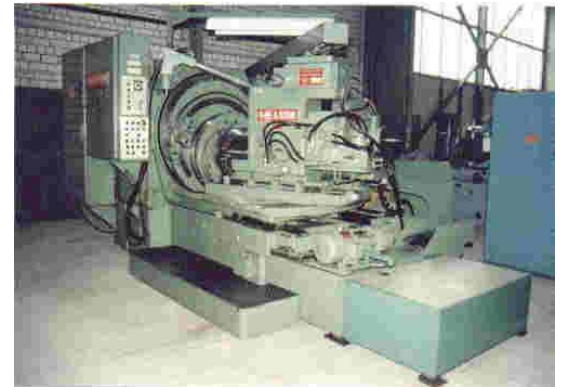
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Subject to prior sale and our delivery conditions we can offer:

Stock-No 4747

GLEASON No 645 1976
 universal hypoid generator
 condition: first class

The GLEASON No. 645 hypoid generator is specially designed and built to include the capability of completing large spiral bevel, Zerol bevel or hypoid pinions and mating gears up to 745mm (29,35") diameter, of any ratio up to 10:1, and can also cut generated and FORMATE gears. The unique feature of the machine is the ability to cut large gears and pinions complete from the solid in one operation, using face-mill cutters. In addition, roughing and finishing cycles are available over the entire size range of the machine. Selection of the cutting cycle best suited for a specific production requirement is made by simple settings of the cycle switches. The extreme versatility of this machine permits the gear manufacturer to select the most efficient cutting method for any lot size of gears used in heavy duty applications such as trucks, buses, tractors, industrial machinery, off-road equipment and marine drives.



Main features:

- One set of ratio of roll and index change gears for one part
- Variable cutter speed arrangement including full set of speed change gears
- Hydraulic chucking attachment with drawrod
- Plunge feed mechanism
- Complete electrical equipment 380 V 50/60 H indexing and weight balance
- helical motion mechanism

Capacity:

Max. ratio	10 : 1
Root angle range	-8°-90°
Max. gear diameter	712,5 mm
Max. gear diameter at spiral angle 29,75 °	712,5 mm
30,00 °	704,3 mm
35,00 °	745,5 mm
Max radial setting	266,7 mm
Pitch - coarsest	16,9 module
Max. full depth	31,8 mm
Max. face width	116,8 mm
Index range	5-80 inclusive

Work spindle:

Diameter of taper hole at large end	152,4 mm
Taper per foot	19 mm
Depth of taper	152,4 mm
Diameter of hole through spindle	127 mm
Diameter of cutter heads	228,6 - 304,8 - 406,4 - 457,2 mm

Workhead settings:

Offset above center - maximum	114,3 mm
Offset below center - maximum	114,3 mm
Machine center to nose of spindle - maximum	596,9 mm

Speeds and feeds:

Cutter speeds	19 - 171 rpm
Feeds	infinitely variable from 7 seconds per tooth minimum

Electrical Equipment:

Main drive motor	13,6 HP
Hydraulic motor	7 + 2,3 HP
Coolant motor	2 HP

Size:

Floor space of basic machine, exclusive of hydraulic unit, electrical panel and chip removal system	3556 x 2032 mm
Net weight	26490 kg

Accessories:

95 generating change gears	5 index change gears	3 cutter speed change gears
chip conveyer	4 index cams	5 cutter heads with each 1 set of cutters
3 sets of cutters	28 workpiece adapters	1 cutter head gage
1 cutter length gage	2 chip wipers	spare parts

Price:

ex our warehouse, unpacked, uninsured, f.o.t.

€ _____,-

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Errors in dimensions, accessories and technical details accepted!