



Features

- Seamless variable speed, 20~350 rpm
- Well suited to cutting modern materials
- Cuts thread dia. of 8~50 mm, standard
- Option of thread diameters 16~100 mm
- Dies can be rapidly and accurately adjusted in their holders, required thread size can be set by the thread scale on the die head
- Cuts RH / LH Metric, Witworth & UNC threads
- Full range of High Speed Steel dies available
- Option of specially Coated dies

Specifications

Technical Data	GM 07-50	GM 07-100
Spindle motor	5.5 kW	11 kW
Max. torque at spindle	500 Nm	1000 Nm
Thread cutting range	8~50 mm	16~100 (option115) mm
Spindle variable speed	20~350 rpm	
Cutting speed, standard dies - steel Rm350N/mm ²	up to 15 m/min	
Cutting speed, coated dies - steel Rm350N/mm ²	up to 20 (25) m/min	
Max thread cutting length - standard	475 mm	425 mm
Thread range Witworth & UNC	3/8" ~ 2"	5/8" ~ 3"
Thread range BSP	1/4" ~ 1 1/2"	1/2" ~ 4"
Thread range Metric	M8 ~M50	M16 ~ M100
Spindle bore diameter	62 mm	118 mm
Gross weight	880 kg	980 kg
Dimensions	1810L x 1050H x 1050W mm	



GM 07-100 A
Automatic Thread
Cutting Machine



Spindle Detail: Dies can be rapidly and accurately adjusted in their holders, required thread size can be set by the thread scale on the die head.

On The Thread Cutting Edge

The GM 70-50 M Thread cutting machine succeeds the popular OK 3. Designed to cut threads in 8 to 50mm diameter stock the machine features seamless variable spindle speeds of 20~350rpm suited to cutting threads in modern materials.

The design of the GM 07-50 M enables higher production capacity, higher quality threads, better safety and ergonomics than HMV's former machines.

The machine is especially suited for moderate production demands, short and mid-length production runs and mobile operations. For higher or continuous production runs or threading of rack-type cutters the GM 07-50 A is recommended which can be equipped to operate automatically.

The Symmetric Clamp which fastens materials of 8~50mm or 16~100mm in diameter depending on the choice of die head and clamps with a force of up to 4 tons.

Material is fastened mechanically by hand wheel and screw with the option of hydraulics on the GM 07-50 H and GM 070-100H models.

Die Head type GH-3 for pitch diameter 8~50mm and the GH-5 for 16-100(115)mm can be equipped with die holders for either right or left hand threads. The same die holder is used for all thread dies within respective diameter interval.

The dies can be rapidly and accurately adjusted in their holders with a special setting template while the required thread size can be set, conveniently by referring to the thread scale on the die head. Heavy metric, Witworth and UNC threads can all be read from the scale on the die head. A short test cut is always recommended to determine any adjustments before a production run.

Thread Dies. The manufacturer keeps a full range of thread dies in stock. The dies are manufactured from high speed steel to give high cutting speeds, excellent thread cutting and extended tool life.

Specially coated and tempered thread dies are available as an option. the coating reduced unwanted dirt on the dies resulting in higher quality threads in many materials and also enables higher cutter speeds. Thread cutting dies are easily sharpened by grinding the end surface of the cutters.

Hydraulic Version. The GM 07-50 H is identical to the M model with the exception of the hydraulic clamp and die head.

Equipment & Accessories (Options)

- Grinding fixture for dies
- Standard thread dies (Metric, Withworth and UNC)
- Coating of thread dies (for better threading performance and extended life span)
- Special thread dies can be manufactured to custom specifications
- Roll slides for chip container
- SV 07 chip box trolley
- SL 07 extra chip container
- Adjustable material stand for long rods
- Machine lighting (used when adjusting thread dies and diameter)