



SJP & KCM 3 AXIS PORTABLE MILLING MACHINES & GANTRY MILLS



WINEMA AGENCIES

2/5 Percy Drive, Brendale QLD 4500

Ph:+61 7 3889 7622 Fx:+61 7 3889 7621

ABN 88 094 338 431

www.winema.com.au

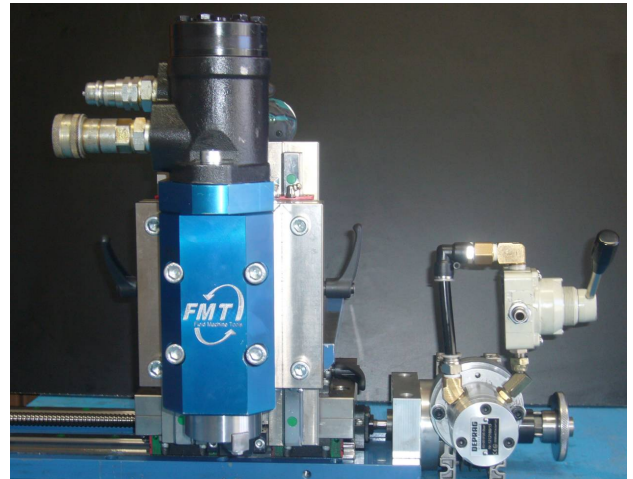
SJP Portable Milling Machines

The SJP Portable Milling Machines are designed for rugged In-Situ & On-Site milling, drilling or boring applications & are designed with the operator in mind. Incorporating precision Linear slides & bearings ensures versatility, accuracy & speed. The SJP 3 AXIS Portable Milling Machines are capable of travelling in all AXIS (XYZ) providing an ideal option for machining rectangular areas accurately.



X AXIS travel can be controlled manually or with smooth, consistent power feed from an infinitely variable & reversible pneumatic or hydraulic drive system.

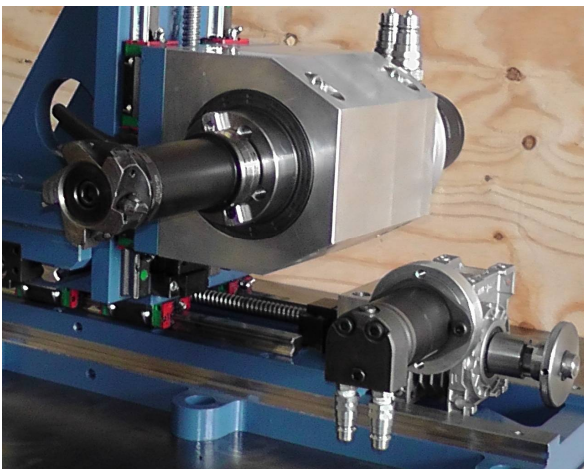
These Portable Milling Machines can be bolted or clamped directly onto the job using standard or custom built mounting fixtures & can be easily mounted in any position.



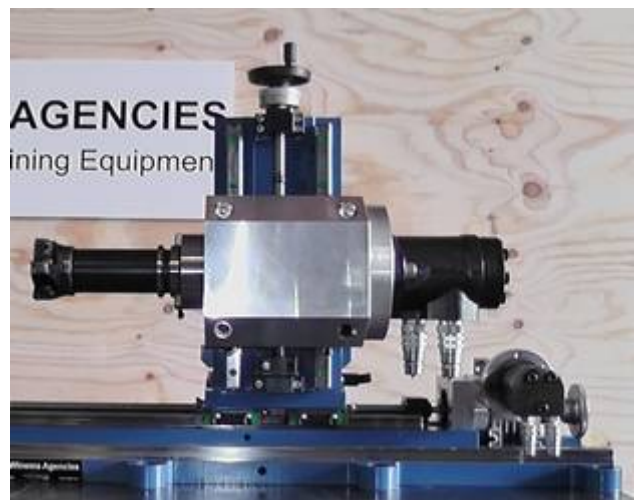
Our custom designed gearbox & clutch assembly allows the operator to easily engage or disengage the drive as required improving setup time while still providing accurate adjustment. In addition to this, changing feed rate or from pneumatic to hydraulic feed is quick & easy operation.

VERSATILE COMPACT ACCURATE

Versatility is the key to On-Site & In-Situ machining applications & the SJP Milling Machine is designed with this in mind. Utilising industry standard 30T & 40T drive allows the operator the option to use a selection of Facing Cutters, End Mills, Fly Cutters or Boring & Facing Heads

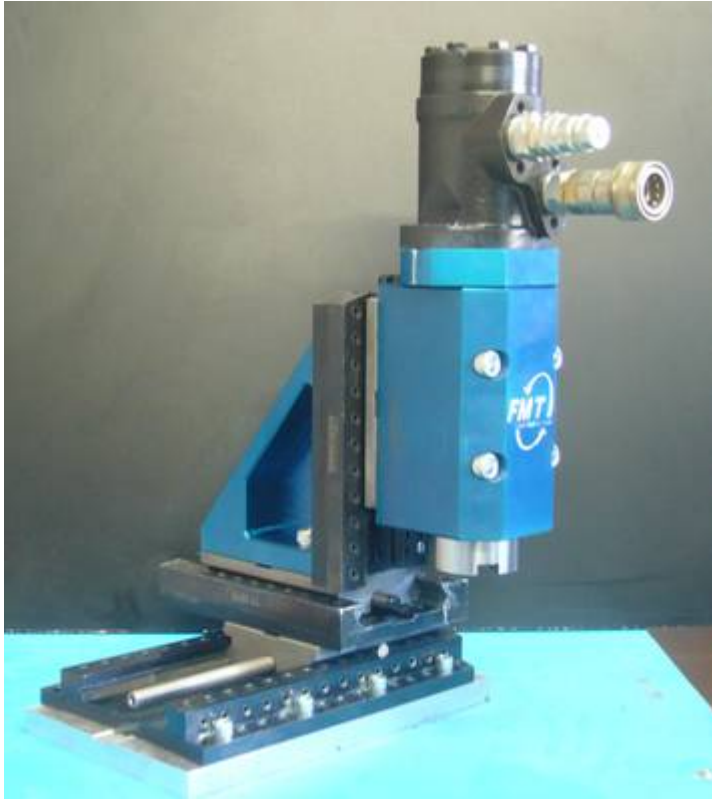


Another important feature of the SJP Portable Milling Machine is the ability to reposition the XY AXIS assembly in relation to the X Axis



This feature provides the operator with the ability to machine a surface other than the surface below the milling machine including directly above.

KCM Compact Portable Milling Machine



Utilising the same design concepts as the SJP Series the KCM Compact Mill is designed to get into small tight spaces. At just 350mm Wide, 350mm Deep, 500mm High (less with RA Drive Motor) the KCM Compact Milling Machine is compact & versatile.

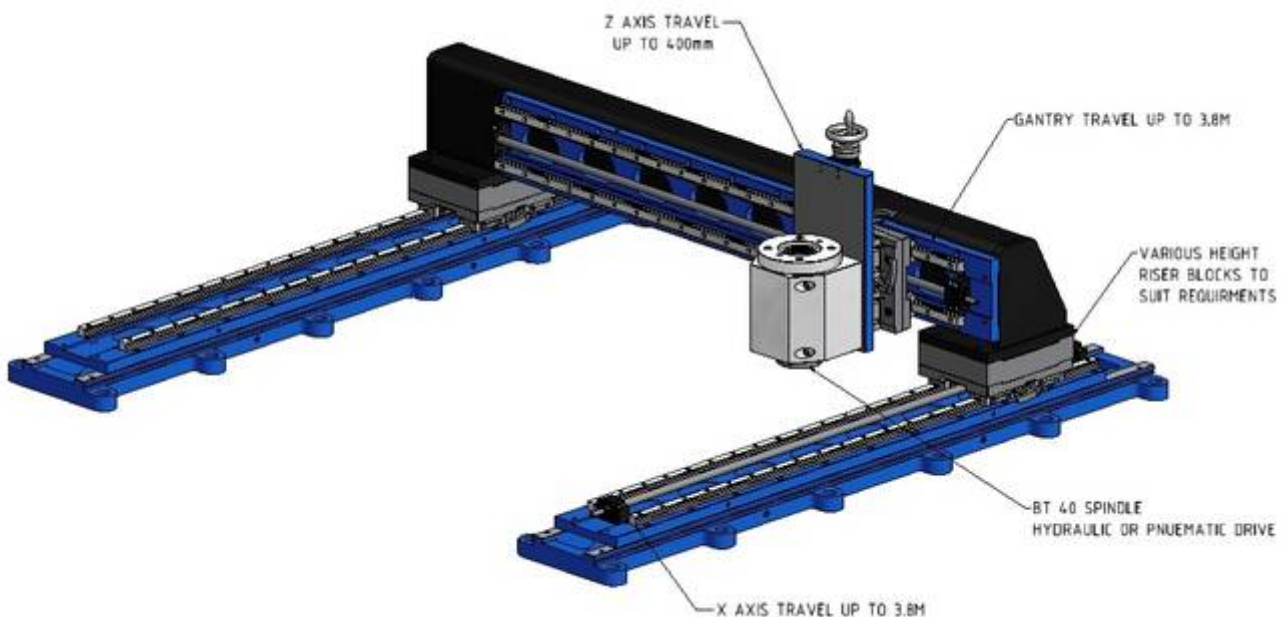
Equipped with a 30T Taper & combined with the ability to rotate both the Y & Z Axis 360 degrees makes the KCM Compact Mill one of the most versatile small milling machines on the market. The precision ground dovetails with adjustable gibs allow for a ridged setup ensuring smooth, accurate travel in all directions.

There are 3 drive options available for the KCM Compact Milling Machine,
Standard Hydraulic Drive,
Compact Hydraulic Drive
Right Angle Pneumatic Drive

This versatility allows the operator to select the most efficient cutting speed for applications requiring small slot mills to 50mm Facing Cutters.

Custom 3 Axis Portable Gantry Mill

The Component based design of the SJP Portable Milling System can easily be converted into a Gantry Milling System requiring minimal additional components.



GENERAL SPECIFICATIONS

STANDARD 3 AXIS PORTABLE MILLS

SJP MILL	O/A LENGTH	X AXIS	Y AXIS	Z AXIS	STD SHANK
KCM-0150707	350mm	150mm	75mm	75mm	30T
SJP-0501010	1180mm	500mm	100mm	100mm	30T
SJP-1001515	1850mm	1000mm	150mm	150mm	40T
SJP-1501515	2350mm	1500mm	150mm	150mm	40T
SJP-1504020-HD	2350mm	1500mm	400mm	200mm	40T
SJP-2004020-HD	2850mm	2000mm	400mm	200mm	40T

SJP Portable Milling Machines are available with a number of drive & Feed options.

Cutter Drive Options
Cutter Drive Speed

Pneumatic or Hydraulic
25 – 700rpm depending on pump & motor options

X Axis Power Feed Options
X Axis Power Feed Speeds

Pneumatic or Hydraulic
10:1 Gearbox 150mm/min to 750mm/min Rapid Traverse
28:1 Gearbox 55mm/min to 270mm/min Rapid Traverse
49:1 Gearbox 30mm/min to 155mm/min Rapid Traverse

HYDRAULIC POWER PACK

Hydraulic power unit requirements

The SJP Portable Milling Machine is designed to run on variable flow medium pressure hydraulic system. Speed and performance will depend on the system parameters. It is recommended the Feed System be supplied with 10Lpm Pressures between 70 bar and 155 bar and flow rates between 30 l/m and 60 l/m are the recommended minimum and maximum values.

Hydraulic Drive & Pneumatic Feed

Milling Machines with hydraulic cutter & pneumatic feed will require a single output pump capable of supplying 0-60lpm for the drive circuit. The pneumatic feed requires up to 20CFM @ 95PSI

Hydraulic Drive & Hydraulic Feed

Milling Machines with hydraulic cutter & hydraulic feed will require a dual output pump capable of supplying 0-10lpm for the feed circuit & 0-60lpm for the drive circuit. Alternatively, a portable control dual output control valve can be fitted to suitable hydraulic power unit.



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