



## KEY FEATURES

- Precision lightweight construction
- Optional heat exchanger mount kit
- Hand & feed to main axis
- Optional Auto Feed
- ER40 Collet spindle
- Optional ISO 30 spindle
- Can be mounted directly to Mirage gantries
- Available in pneumatic and hydraulic drive options

## DESCRIPTION

The LMR range of 2-axis milling rails are lighter than the MR range and are available in 3 sizes. Maximum stroke of these range from 1000mm (40”) to 2000mm (80”).

## APPLICATIONS

The LMR range of milling rails are designed primarily for use on heat exchangers, but are robust enough to be used for many other general in-situ milling applications.

## SPECIFICATIONS

	LMR1000	LMR1500	LMR2000
<b>Max stroke (X main axis)</b>	1015mm (40”)	1515mm (60”)	2015mm (80”)
<b>Down Feed Axis Stroke</b>	95mm (3.74”)	95mm (3.74”)	95mm (3.74”)
<b>Max Cutter diameter</b> ER40 Collet Spindle	25mm (0.984”)	25mm (0.984”)	25mm (0.984”)
<b>Max Cutter diameter</b> Optional ISO Collet Spindle	80mm (3.15”)	80mm (3.15”)	80mm (3.15”)
<b>Hand Feed</b>	5mm (0.197”) per rev	5mm (0.197”) per rev	5mm (0.197”) per rev
<b>HYDRAULIC DRIVE</b>			
<b>Auto Feed Rate Hydraulic (optional)</b>	105mm (4.13”) per min	105mm (4.13”) per min	105mm (4.13”) per min
<b>Max Spindle RPM</b> (Hydraulic)	630	630	630
<b>Spindle Hydraulic Supply Required</b>	50L/min (13.21 gal/min)	50L/min (13.21 gal/min)	50L/min (13.21 gal/min)
<b>Auto Feed Hydraulic Supply Required</b>	20L/min (5.28 Gal/min)	20L/min (5.28 Gal/min)	20L/min (5.28 Gal/min)
<b>Hydraulic Milling Head Power</b>	3.73kw (5hp)	3.73kw (5hp)	3.73kw (5hp)
<b>PNEUMATIC DRIVE</b>			
<b>Auto Feed rate Pneumatic (optional)</b>	26.5mm (1.04”) per min	26.5mm (1.04”) per min	26.5mm (1.04”) per min
<b>Max Spindle RPM</b> (Pneumatic)	655	655	655
<b>Spindle Pneumatic Supply Required</b>	1800 L/min (63.6 cfm)	1800 L/min (63.6 cfm)	1800 L/min (63.6 cfm)
<b>Auto Feed Pneumatic Supply Required</b>	2000L/min (70.6cfm)	2000L/min (70.6cfm)	2000L/min (70.6cfm)
<b>Pneumatic Milling Head Power</b>	1.7kw (2.27hp)	1.7kw (2.27hp)	1.7kw (2.27hp)

### INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ All required mounting bolts
- ✓ Air filter lubricator and hose connection for pneumatic machines (when required)
- ✓ Storage / shipping box
- ✓ CE certificate
- ✓ Packing list and manual
- ✓ Milling Rail Hold Down Brackets
- ✓ Pneumatic Milling Head with ER40 Collet Spindle, or Hydraulic Milling Head with ER40 Collet Spindle

### SET UP AND OPERATION

The operator must be:

- Trained and conversant with the product
- Able to identify the correct and incorrect use of static or portable machines.
- Comply with all local and internationally recognised regulations regarding safe use of powered machines.

### MACHINE WEIGHTS

Machine name	kg	lbs
LMR1000	175 kg	lbs
LMR1500	162 kg	lbs
LMR2000	168 kg	lbs

### SHIPPING WEIGHTS

Machine name	kg	lbs
LMR1000	105 kg	231lbs
LMR1500	230 kg	507 lbs
LMR2000	260 kg	573 lbs

### SHIPPING DIMENSIONS

Machine name	Length	Width	Height
LMR1000	200cm (79")	68cm (27")	47cm (18.5")
LMR1500	269cm (106")	68cm (27")	60cm (24")
LMR2000	269cm (106")	68cm (27")	60cm (24")

All weights and dimensions approximate and for guidance only.

**IMPORTANT**  
PLEASE REVIEW OPTIONS, ACCESSORIES  
AND SPARE PARTS ON NEXT PAGES



## LMR MILLING MACHINE OPTIONS & ACCESSORIES

**PP2 11 KW 3 Phase Power Pack**  
 (For Hydraulic Machines Only) 60 L.P.M up to 90 BAR – proportional remote operation 24 volt dc fully CE marked.



**Magnetic Mounts**

Fast set mounting system featuring switch magnet mounts for the Mirage range of 2 and 3 axis milling machines and drilling and tapping machines.



**LMR2000-2 Light Milling Head -**  
 ISO 30 Spindle with Adjustable Gear Ratios. Hydraulic or Pneumatic versions available.



**MR2000-3**

Wedge Levelling Feet



**LMR2000-4**

Pneumatic LMR Auto Feed Kit  
 Or

**LMR2000-8**

Hydraulic LMR Auto Feed Kit



**LMR1000-6**

**LMR1500-6**

**LMR2000-6**

Heat Exchanger Mount Plates



**LMR2000-11**

End Mill & Collet Set IS030



**Gantry Mill Kit**

Provides 3-Axis milling capability. See separate data sheet for further information

