



### KEY FEATURES

- Helical geared drive - High torque transfer with smooth power delivery
- Drive as close to cutter as possible - Reduction in bar torque gives a smoother cut
- Internal pressure balanced system - Reduction in mechanical shocks and forces at high pressures
- Lightweight rigid construction - High power to weight ratio through patented design
- Auto feed gearbox and motor- Variable feed with rapid traverse
- Geared mechanical depth display - No requirement for measuring rods; optional LCD display
- Constant seal & pressure monitoring - Pressure leaks can be monitored and contained whilst operating

### DESCRIPTION

Version of the Mirage CHT machines which have a pressure capacity of 5000 p.s.i maximum and hot tapping capabilities from 60 to 160" stroke.

### APPLICATIONS

Specifically designed for oil and gas high pressure wellhead maintenance and OMV valve drilling.

### SPECIFICATIONS

Maximum Pressure	5000 p.s.i (340 bar)
Maximum Continuous Operating Temperature	230°F (option for 248°F) 110°C (option for 120°C)
Spindle Bar Diameter VHT1500	50mm (2")
Spindle Bar Diameter VHT2500	50mm (2")
Spindle Bar Diameter VHT4000	75mm (3")
R.P.M Min - Max	5 - 40
Drive - Hydraulic (weight + 6kgs)	3.73Kw (5.0 Hp)
Hydraulic Supply Required @ 1050 p.s.i	50 L/min (13 gpm)

### FEED RATES

Manual Feed per rev	3mm (0.118")
Auto-Feed per minute	0 - 20mm (0 - 0.78")

### STROKE

Model	Stroke
VHT1500	1500mm - 60"
VHT2500	2500mm - 96"
VHT4000	4000mm - 160"

### INCLUDED AS STANDARD WITH MACHINE

The machine is supplied complete with the following items;

- ✓ Toolkit
- ✓ Air filter lubricator (when required)
- ✓ Hose connection
- ✓ All required mounting studs and nuts and cutter adapters
- ✓ Storage / shipping box
- ✓ CE certificate
- ✓ Packing list
- ✓ Manual

### MACHINE WEIGHTS

Model Number	Machine Weight
VHT1500	480 kg / 1056 lb
VHT2500	600 kg / 1320 lb
VHT4000	750 kg / 1650 lb

### SHIPPING WEIGHTS

Model Number	Shipping Weight
VHT1500	547 kg / 1203 lb
VHT2500	675 kg / 1485 lb
VHT4000	875 kg / 1925 lb

### 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 safe use of powered machines.

### DIMENSIONS

Model Number	Machine Length	Shipping Dimensions
		L x W x H
VHT1500	2300mm - 90"	254cm X 50cm X 50cm (100" X 20" x 20")
VHT2500	3300mm - 130"	355cm X 50cm X 50cm (140" X 20" x 20")
VHT4000	4800mm - 189"	508cm X 50cm X 50cm (200" X 20" x 20")

### MACHINE AVAILABILITY

Purchase  Rental

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



## VHT HOT TAPPING MACHINE ACCESSORIES



### API 6A Valve Shell Cutters

ASI 6A Valve Size	Cutter Part Number	Morse taper Adapter	Suitable for Machine(s)
3-1/8"	HTC79	VHT2500-5-001	VHT1500,2500,4000
4-1/16"	HTC103	VHT2500-5-001	VHT1500,2500,4000
5-1/8"	HTC130	VHT2500-5-001	VHT1500,2500,4000
7-1/16"	HTC180	VHT2500-5-001	VHT1500,2500,4000

### API 6A Valve Inserted Drills



Drill Part Number	Morse taper	Suitable for Machine(s)	Drill Length	Diameter	Drill Insert Premium Cobalt	Drill Insert TiN Coated	Drill Centraliser / Steady Part Number
MXD4-MT	#5	VHT1500, VHT2500, VHT4000	165	52mm	MXDI-52-AM	MXDI-52	MXD4-CS-52
MXD4-MT	#5	VHT1500, VHT2500, VHT4000	165	65mm	MXDI-65-AM	MXDI-65	MXD5-CS-65
MXD5-MT	#5	VHT2500, VHT4000	215	79mm	MXDI-79-AM	MXDI-79	MXD6-CS-79
MXD7-MT	#5	VHT2500, VHT4000	225	103mm	MXDI-103-AM	MXDI-103	MXD8-CS-103

### API 6A 3M Crossover Spools



Part Number	Description	Notes
COS3M-001	2-9/16"-2-1/16" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-002	4-1/16"-2-1/16" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-003	4-16"-2-9/16" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-004	4-1/16"-3-1/8" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-005	4-1/16"-5-1/8" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-006	7-1/16"-3-1/8" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-007	7-1/16"-4-1/16" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS3M-008	7-1/16"-5-1/8" API 6A 3M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal



## API 6A 5M Crossover Spools

Part Number	Description	Notes
COS5M-001	2-9/16"-2-1/16" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-002	4-1/16"-2-1/16" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-003	4-16"-2-9/16" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-004	4-1/16"-3-1/8" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-005	4-1/16"-5-1/8" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-006	7-1/16"-3-1/8" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-007	7-1/16"-4-1/16" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS5M-008	7-1/16"-5-1/8" API 6A 5M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal



## API 6A 10M Crossover Spools

Part Number	Description	Notes
COS10M-001	1-13/16"-2-1/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-002	1-13/16"-2-9/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-003	3-1/16"-1-13/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-004	3-1/16"-2-1/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-005	3-1/16"-2-9/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-006	3-1/16"-4-1/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-007	3-1/16"-5-1/8" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-008	7-1/16"-2-9/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-009	7-1/16"-3-1/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-010	7-1/16"-4-1/16" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal
COS10M-011	7-1/16"-5-1/8" API 6A 10M CROSSOVER SPOOL	Supplied with grade L7 stud and nuts for each end of the flange & appropriate BX Ring Joint Seal