



### 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 VHT965	38mm (1.5")
Spindle Bar Diameter VHT1200	38mm (1.5")
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
VHT965	965mm (38")
VHT1200	1200mm (47")
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

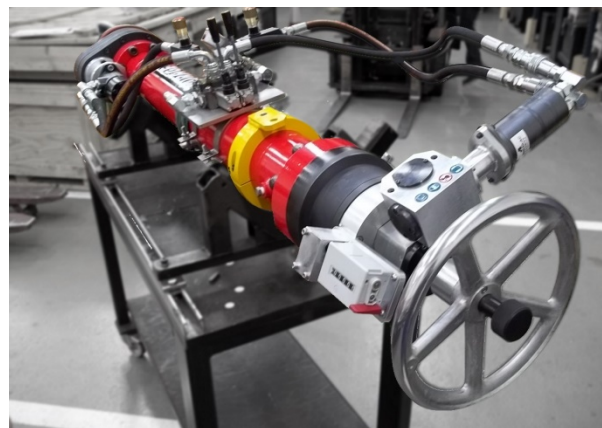
### SET UP AND OPERATION

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")



**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