

T-3200

SPECIFICATION SHEET



T-3200 ROCK TRENCHER

KEY FEATURES

The T-3200 is the world's most sophisticated subsea trenching system. With 3200 Hp of effective trenching power it offers unrivalled capability for the burial of pipelines and cables in challenging ground conditions.

The T-3200's advanced multi-function product lifting and trench tooling capability enables the burial of all products from large flooded trunk lines through to flexible pipes, power cables and umbilicals

In vee cutting mode, the unique triple chain cutter configuration combined with a high efficiency dredge system defines a wide vee shaped trench for post-lay lowering of large diameter pipelines. This mode can equally be used for pre-cut trenching projects.

Alternatively, in single boom cutting mode, a slot trench defined by a 1100 Hp cutter provides the ultimate protection for the largest flexible products where deep burial in hard ground is required.

In jet trenching mode, 2600 Hp of jetting power is targeted through flow deployment systems designed using the latest fluid dynamic and sediment transportation modelling techniques.

The T-3200 is the system of choice for the industry's most challenging burial projects.

- TRUNKLINE BURIAL IN CEMENTED MATERIALS
- DREDGE SYSTEM FOR HIGH EFFICIENCY
- FLEXIBILITY FOR HARD OR SOFT SOILS
- TRENCH DEPTHS UP TO 3.5M
- FORE AND AFT DREDGE CAPABILITY

The T-3200 Rock Trencher is not limited to these parameters and can be modified by DeepOcean to complete workscopes in excess of its current configuration.

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GENERAL CHARACTERISTICS

OPERATING DEPTH	500m
MAXIMUM TRENCH DEPTH	3.5m
TRENCH PROFILE	Pipe mode - 'V'Trench - 45 degree wall Cable mode - parallel trench - vertical walls
PIPE SIZE	1500mm O.D maximum clearance (includes allowance for anodes, joints and piggy-back line)
CABLE SIZE	up to 800mm
PIPE FOLLOWING	TSS440 pipe tracker, OA sonar & cameras

DIMENSIONS

LENGTH	22.5m
WIDTH	13m
HEIGHT	9.6m
WEIGHT IN AIR	between 150te and 202te depending on configuration

SOIL TYPE

Suitable for a range of sands, clay and rock up to 40 MPA UCS

PIPELINE 'V' CUTTER MODE

CONFIGURATION	Three individually powered and positioned cutter chains, set at 45 degrees
POWER DISTRIBUTION	Chain 1 - 250kW Chain 2 - 400kW Chain 3 - 400kW
CHAIN WIDTH	800mm
DREDGING	Four hydraulically driven dredge pumps. Two mid mounted units to remove spoil excavated in front of the main chain cutters. Two rear mounted units for clearing re-circulated spoil from the chain cutters and any premature backfill from soft overburden collapse
PUMPS	4 x 80kW heavy duty dredge pumps. Operating point approximately 1500m ³ /hr @ 0.75 bar
MAIN JETTING SYSTEM	2 x 350kW direct coupled motor/ pump sets - approximately 2400m ³ /hr @ 7 bar. Supplies rear jet legs, dredge heads, cutter chain cleaning and HPU cooling as required
PRODUCT HANDLING	Dual grab product loading system with instrumented pipeline rollers. 2 sets of triple rollers per cradle. 65te maximum lift per cradle

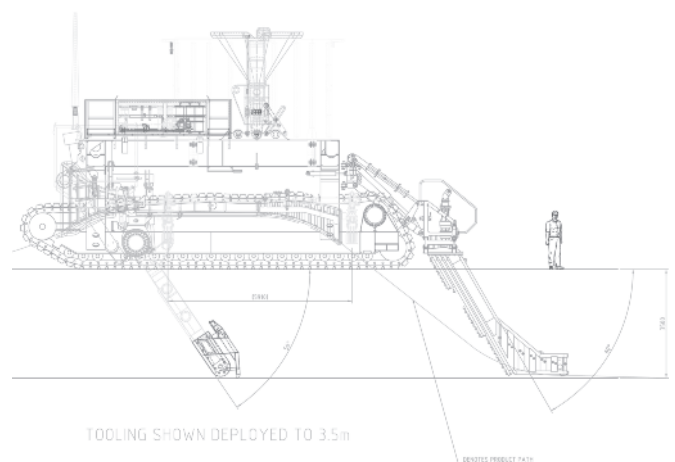


SINGLE CHAIN CUTTER SYSTEM

	PIPELINE MODE	CABLE MODE
CONFIGURATION	A single cutter chain, in the vertical position	
POWER DISTRIBUTION	800kW	
CHAIN TYPE	Heavy duty interleaved chain	
WEIGHT IN AIR	143te	
GROUND PRESSURE IN WATER	27KPa	
MAX PRODUCT SIZE	500mm	500mm
PRODUCT HANDLING SYSTEM	Dual product loading and instrumented pipeline rollers	Dual product loading and instrumented cable trough
DEPTH CONTROL	0-3.5m	
MBR	Na	4m
REAR TOOLING	DREDGE	JET SWORDS
POWER	160kW	700kW
PRESSURE	0.75 bar	7 bar
FLOW	750m ³ /hr	2400m ³ /hr

JET TRENCHING SYSTEM

	PIPELINE MODE	CABLE MODE
POWER CONFIGURATION	Jetting cassette with 6 x 200kW + 2 x 350kW pumps. 1900kW total	
JETTING POWER	1200kW	
JETTING PRESSURE	9 bar	
FLOW RATE	3500m ³ /hr	
TOOLING	Oscillating jetting swords	Fixed position jetting swords
WEIGHT IN AIR	125te	
GROUND PRESSURE IN WATER	23KPa	
MAX PRODUCT SIZE	360mm	500mm
DEPTH CONTROL	0-3.5m	
REAR TOOLING	DREDGE	BACKWASH
POWER	160kW	700kW
PRESSURE	0.75 bar	7 bar
FLOW	750m ³ /hr	2400m ³ /hr



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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

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