

CIGWELD

AN ESAB BRAND

MIG

STICK

DC LIFT TIG

GOUGING



DESIGNED
& TESTED
IN AUSTRALIA
FOR OVER 100 YEARS

TRANSMIG 500HD

MULTI PROCESS WELDING INVERTER

HEAVY DUTY 500A MIG WITH
A MASSIVE 80% DUTY CYCLE



FINALLY, A SIMPLE TO USE,
MODULAR SYSTEM WITH
SERIOUS VERSATILITY!



MIG



LIFT TIG



STICK



GOUGING
UP TO 9.5mm



5
YEARS*



200/
300mm



AIRCOOLED
WATERCOOLED



70mm²
x 10m

DESIGNED, DEVELOPED & TESTED IN AUSTRALIA!

Meet the new CIGWELD Transmig 500HD Multi Process Heavy Duty Welding package!

Boasting a powerful 500 Amp inverter block, this 3-phase beast packs serious punch for heavy metal applications! Loaded with essential features across MIG, STICK, TIG and GOUGING processes, the Transmig 500HD has a class leading duty cycle of 500A @ 80% and 447A @ 100%.

Oh, and did we mention it's incredibly energy efficient? The 500HD complies with the European Union ECO-Power regulations, so not only do you get more output amperage for your buck, but you pay less to run this 500A machine compared to a lot of other older machines.

The Transmig 500HD has been designed to be durable and rugged to suit the most demanding of environments across heavy fabrication, mining, oil and gas, civil construction, ship building and defence, structural steel set-ups and repair and maintenance. With its easy to read user interface with massive 32mm digital display, you can easily check your settings from a distance, along with the 16 separate memory settings to recall when needed.

Paired with the CIGWELD Transfeed 4R HD Wire Feeder with 10m interconnection leads, TWECO Trade TW4 Heavy Duty MIG Gun and a robust trolley to suit, the Air Cooled package also includes a handy drawer at the base of the trolley to place your welding gear at the end of your shift.

For welders that are using the high amperage constantly, a water cooled package is available. Using a heavy MIG Gun all day can increase fatigue and discomfort, so by utilizing the 500HD water cooled package, the TW4 Flame MIG Gun power cable is substantially lighter leading to less fatigue, heat and increase consumable life.

With a class leading 5 year warranty, factory fitted with a 32A plug, simply add Shielding Gas and MIG wire, and you're ready to go. This machine has everything you need in a heavy duty industrial MIG welder.



TRANSMIG
500HD

TRANSFEED
4RHD

TRANSCOOL
HD

CIGWELD Data Sheet Transmig 500HD V1-2025

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www.cigweld.com.au

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DESCRIPTION

The Transmig 500HD can deliver awesome arc characteristics in the most popular processes of, MIG, Gas & Gasless operation, Stick, Gouging and TIG DC-Lift welding modes (with VRD for extra safety).

Additionally, this machine has the following features:

- 4x Roll Geared Wire Drive system
- 300mm Diameter Spool Capability and includes 200mm spool adapter
- MIG Gun holder and cable management bracket
- Engineered Gas Cylinder holder for up to 'G' Size cylinders
- 2-Point Lifting Lugs for safer and convenient maneuverability
- Locating Post for Transfeed 4R HD
- MIG Adjustable Wire Burnback
- MIG Crater Fill function in 2T & 4T
- 16 Memory settings
- MIG Anti de-spooling safety feature
- STICK with Voltage Reduction Device (VRD) built-in for Safe Welding
- STICK Hot Start
- STICK Arc Force
- Arc Gouging Capable - up to 9.5mm Carbons
- 32A Plug fitted from the factory

SERIOUS VERSATILITY

The Transmig 500HD delivers a maximum output of 500Amps DC in MIG and TIG Modes, which means the machine is capable of welding metals from 1.0mm up to 20mm. In STICK mode the machine is capable of welding metals from 1.6mm up to 25mm in thickness.

WARRANTY PERIOD

5-Year conditional warranty. See terms and conditions at cigweld.com.au or in the Operating Manual, included with the machine.

TECHNICAL SPECIFICATIONS

Package Dimensions:	1020mm (L) x 500mm (H) x 1370mm (H)
Package Weight - Air Cooled	122Kg
Package Weight - Water Cooled	129Kg
Cooling	Fan Cooled
Standards	AS 60974.1:2020 IEC 60974-5:2019 IEC 60974-2:2019 EN 60974-10:2021
Number of Phases	Three Phase
Nominal Supply Voltage	415 VAC $\pm 15\%$
Nominal Supply Frequency	50/60Hz
Welding Current Range (MIG mode)	50-500A
Welding Current Range (Stick mode)	20-500A
Welding Current Range (TIG DC Lift)	20-500A
Nominal DC Open Circuit Voltage MIG Weld Mode	80V
Open Circuit Voltage (VRD On) Stick Weld Mode	<35V
Open Circuit Voltage (VRD Off) Stick Weld Mode	80V
Effective Input Current (I _{1eff})	31.2 Amps
Maximum Input Current (I _{1max})	34.8 Amps
Minimum Three Phase Generator Requirement for Maximum Output	35kVA@0.8PF
MIG (GMAW) Welding Output, 40°C, 10 min	500A @ 80%, 39V 447A @ 100%, 36.4V
Stick (MMAW) Welding Output, 40°C, 10 min	500A @ 80%, 40V 447A @ 100%, 37.9V
TIG DC Lift (GTAW) Welding Output, 40°C, 10 min	500A @ 80%, 30V 447A @ 100%, 27.9V
Protection Class	IP21S

TRANSMIG 500HD PLANT PACKAGE AIR COOLED

- Transmig 500HD Power Source
- Transfeed 4R HD Wirefeeder
- Transmig HD Trolley
- Transmig 500HD Interconnection Leads 10m 70mm² Air Cooled
- Transmig HD Drawer
- MIG Gun TW4 3.6m Heavy Duty Tweco Trade
- Work Return Lead x 10m 70mm²
- BlueJet Argon 45LPM 2 Gauge
- Feed Roll 1.2/1.6mm V Groove - Fitted
- Feed Roll 0.8/0.9mm V Groove - Spare
- Feed Roll 1.2/1.6mm Knurled - Spare
- Operating Manual



ORDERING DETAILS

Transmig 500HD Plant Package Air Cooled

P/N: W1400500

TRANSMIG 500HD PLANT PACKAGE WATER COOLED

- Transmig 500HD Power Source
- Transfeed 4R HD Wirefeeder
- Transmig HD Trolley
- Transmig 500HD Interconnection Leads 10m 70mm² Water Cooled
- Transcool HD Water Cooler
- MIG Gun TW4 4m Flame Water Cooled
- Work Return Lead x 10m 70mm²
- BlueJet Argon 45LPM 2 Gauge
- Feed Roll 1.2/1.6mm V Groove - Fitted
- Feed Roll 0.8/0.9mm V Groove - Spare
- Feed Roll 1.2/1.6mm Knurled - Spare
- Operating Manual



ORDERING DETAILS

Transmig 500HD Plant Package Water Cooled

P/N: W1401500

TRANSMIG
500HD

TRANSFEED
4RHD

TRANSCOOL
HD

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