

CIGWELD

PRO
SERIES

AN **ESAB** BRAND

Transmig 355i



AUTO SET MIG

MIG

STICK

TIG

IG FB LI YU | CIGWELD.COM.AU



Transmig 355i

CIGWELD's Transmig 355i is a powerful 3phase 3in1 Multi-Process inverter that operates at 355A@60% Duty Cycle and offers exceptional welding results across MIG, STICK and TIG, and the added convenience of CIGWELD's AUTO SET MIG feature for optimal plate thickness control.

The AUTO SET MIG Process has been pre-programmed with synergic lines determined by material type, plate thickness and consumable diameter reduce your setup time and ensures you are always getting the best from your welds.

The Transmig 355i has an easy-to-use push button design, convenient memory storage, and is loaded with advanced features to ensure you can always customise your welds.

And best of all you can operate it as a compact inverter or with a remote 4RX feeder[^]

[^]Compact Plant (W1003511) or Remote Plant with Transmig 4RX wirefeeder (W1003510)



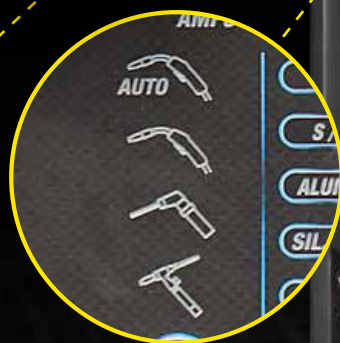
DIGITAL AMPERAGE METER

Digital Amperage Meter, allows concise setting and viewing of Preset Wire Feed Speed, Plate Thickness, Advanced Features sub-menu and actual welding amperage for all processes.



GAS PURGE / WIRE INCH PUSH BUTTONS

Easy access push buttons to either purge shielding gas through the torch, or feed wire without wasting shielding gas.



SELECT PROCESS

Simple selection of welding processes via push buttons: AUTO SET MIG, Manual MIG, STICK & LIFT TIG.



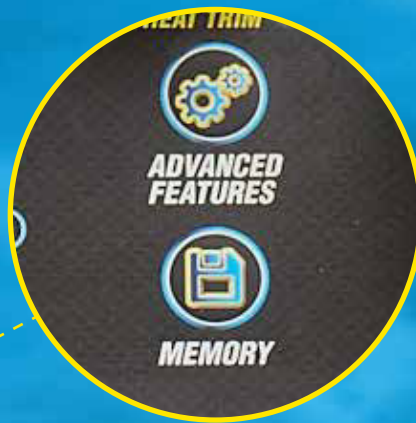
DIGITAL VOLTAGE METER

Digital Voltage Meter, allows accurate setting and viewing of Voltage, Trim-Voltage, Memory Settings and the adjustment levels for Advanced Feature sub-menus.



ADVANCED FEATURES BUTTON

Allows the specific control settings to be adjusted for various welding functions such as Burnback, Inductance, 2T/4T, Spot/Stitch Weld, Pre/Post Flow, Crater Fill, Crater Current, Crater Volts, Run In, Creep Feed & Down Slope.



PUSH PULL MIG GUN

CIGWELD TBI Push Pull MIG Gun

For serious Aluminium welders, the Transmig 355i is the perfect machine to run a push pull gun on and is compatible with the new CIGWELD TBI Push Pull (with Sync Box).

The TBI Push Pull Gun is ergonomic and comfortable in the hand, easy to use and has the convenience of adjustable Wirefeed speed and voltage knobs on the torch.



FEATURES



Input Supply
415VAC +/- 15%, 3 Phase,
50/60Hz, 15.5A



3 IN 1 Multi-Process
A true multi-process machine
offering outstanding welding results
across MIG, Stick TIG.



Auto Set Process
Auto Set parameters for MIG.
Determined by material type,
thickness & consumable diameter.



Current Range
Current range for this Power Source is 30 to
355A (MIG Mode) of DC Welding Output.



Heat Trim
Customisable Heat Trim Function allows
user to tweak voltage for optimal performance
(in AUTO SET MIG only).



Push Button Interface
Simple Push button display
for easy navigation.



MIG (GMAW/FCAW) 355A @ 60%
0.6-1.2mm: Solid Wires & 0.8-2.0mm: Gasless Wires.
0.9-1.2mm: Aluminium Wires.
0.9-1.2mm: Stainless Steel Wires.
0.8-1.2mm: Silicon Bronze Wires.



STICK (MMAW) 355A @ 60%
Power Source suitable for 2.0mm, 2.5mm,
3.2mm and 4mm and 5mm electrode sizes.



TIG (GTAW) 355A @ 60%
Lift TIG function provides smooth
starting and running characteristics across
varying applications.



Memory Settings
Save up to 15 of your favourite welds
with Memory Settings.



Advanced Features
Includes 2T/4T, Spot/Stitch Weld,
Pre/Post Flow, Crater Fill, Crater Current,
Crater Volts, Run In, Creep Feed &
Down Slope.



Arc Control
Variable inductance for softer arc
and less spatter or stronger arc
and increased penetration.



Adjustable Burnback Control
Adjusts stick-out and prevents
wire from burning back.



Gas Purge Button
Easy Access Gas Purge button on front
display enables user to purge shielding
gas through torch.



Wire Inch Button
Easy Access Wire Inch button on front
display enables user to feed wire
without wasting shielding gas.



Voltage Reduction Device
Standards compliant
STICK mode only.



Generator
Recommended generator
required: 14kVA at
0.8 Power Factor.



4 Roll Wire Drive System
The Transmig 355i is a compact
MIG machine with a robust
integrated 4 roll wire drive.



4RX Remote Feeder (Optional)
Transmig 355i power source is
compatible with optional 4RX
Remote Feeder Part No. W3000410.



Optional Spool Gun
Transmig 355i power source
is compatible with optional
Tweco SGT250 Spool Gun.



Compatible With
Transmig 355i Power Source is
compatible with 4RX Wirefeeder,
Part No: W3000410.



Optional Push-Pull Gun
Transmig 355i power source is
compatible with optional CIGWELD
TBI Push Pull Torches



Euro Torch Connection



Plate Thickness Control
Plate Thickness setting, makes set
up a breeze, no more guessing of the
welding parameters.



Warranty
3 Year Limited Warranty*
*Refer to operating manual
for further details.

Transmig 355i & Transmig 4RX Wirefeeder

The Transmig 4RX Wirefeeder is designed for use with the Transmig 355i Multi Process Welder – a robust 4 Roll Feeder that can operate with 200mm and 300mm spools. Fitted with a single tension arm the drive system is simple to operate for easy changing of wire and feedrolls.

The Transmig 355i is supplied with a Tweco Fusion 400 AMP air-cooled MIG Torch that can be used with the 4RX Wire Feeder. The Fusion MIG Torch is designed with an ergonomic handle that feels light in the hand to reduce operator fatigue.



SPECIFICATIONS

Transmig 355i Compact Plant	W1003511	Open Circuit Voltage (VRD On) Stick Weld Mode	<35V
Transmig 355i Remote Plant (with Transmig 4RX feeder)	W1003510	Effective Input Current (I _{1eff})	15.5 Amps
Transmig 355i Power Source Dimensions	H 700mm x W 287mm x D 517mm	Maximum Input Current (I _{1max})	20 Amps
Transmig 4RX Wirefeeder Dimensions	H 453mm x W 238mm x D 553mm	Minimum Three Phase Generator (Recommended)	14 kVA (at 0.8 Power Factor)
Transmig 355i Power Source Weight	49kg	Protection Class	IP23S
Transmig 4RX Wirefeeder weight	21kg	MIG (GMAW) Welding Output, 40°C, 10 min.	355A @ 60%, 31.8V
Cooling	Fan Cooled	STICK (MMAW) Welding Output, 40°C, 10 min.	355A @ 60%, 34.2V
Welder Type	MIG, STICK, LIFT TIG, AutoSet MIG Inverter Power Source	TIG (GTAW) Welding Output, 40°C, 10 min.	355A @ 60%, 24.2V
Standards	AS 60974.1-2020 / IEC 60974-1	4RX Min/Max Wirespeed	1.5/22 MPM
Number of Phases	Three Phase	4RX Interconnection Plug	10 Pin
Nominal Supply Voltage	415 VAC ± 15%	4RX Interconnection Length [#]	8 metre
Nominal Supply Frequency	50/60Hz	Warranty	3 Year Limited Warranty*

[#]Supplied with 355i Remote Plant Part No. W1003510
*Optional Accessory for 355i Compact Plant Part No. W1003511

* Refer to Operating Manual for further details

Transmig 355i Remote Plant

P/N: W1003510

TRANSMIG 4RX
WIRE FEEDER
P/N: W3000410

TRANSMIG 355i
AUTO SET MIG
POWER SOURCE

TRANSMIG
TROLLEY FOR
TRANSMIG 355i
P/N: W4015005

The easy to assemble
Transmig Welding
Trolley is designed for
maneuverability when
using the 4RX and
Transmig 355i.



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PACKAGE CONTENTS

TRANSMIG 355i COMPACT PLANT PART NUMBER: W1003511

Transmig 355i Inverter Power Source
Feedroll 0.9/1.2mm V Groove (Fitted)
Tweco Fusion 400 Mig Torch 3.6m
Comet Professional Argon Regulator / Flowmeter
Work Clamp with 4m Lead
Shielding Gas Hose Assembly
Operating Manual

TRANSMIG 355i REMOTE PLANT PART NUMBER: W1003510

Transmig 355i Inverter Power Source
Feedroll 0.9/1.2mm V Groove (Fitted)
Transmig 4RX Wirefeeder
8m Interconnection Lead
Tweco Fusion 400 Mig Torch 3.6m
Comet Professional Argon Regulator / Flowmeter
Work Clamp with 4m Lead
Heavy Duty Trolley with inbuilt cylinder carrier
Shielding Gas Hose Assembly
Operating Manual

Operating Manual can be downloaded at cigweld.com.au/manuals

OPTIONAL ACCESSORIES

Tweco Fusion 400 MIG Torch, 3.6m, Euro	OTWF412X3545
Tweco No. 4 MIG Torch, 3.6m, Euro	OTWX412/3545
Tweco No. 4 MIG Torch, 4.5m, Euro	OTWX415/3545
Transmig 4RX Wirefeeder	W3000410
2m Interconnection Lead, 10 Pin, suits 4RX wirefeeder	W4016003
8m Interconnection Lead, 10 Pin, suits 4RX wirefeeder	W4016002
15m Interconnection Lead, 10 Pin, suits 4RX wirefeeder	W4016004
Tweco SGT 250 Spool Gun	W4011250
CIGWELD TBi Push-Pull Gun, 8m	185P958180
CIGWELD TBi Push-Pull Gun, 12m	185P9581C0
CIGWELD TBi Push-Pull Gun Neck, 40 degree	185P001002
CIGWELD TBi Synchroniser Box	590P958000
CIGWELD TBi 8m Push-Pull Gun and Sync Box	W4011360
Twistlock Electrode Holder Lead, 400A, 5m	646779
TIG Torch 17V with 4m lead (200A@20%)	W4013801
TIG Torch 17V with 4m lead and remote control (200A@20%)	W4013800
TIG Torch 26V with 4m lead (240A@20%)	W4014601
Transmig 355i Trolley with inbuilt cylinder carrier	W4015005
Feed Roll 0.6/0.8mm V groove (hard)	7977729
Feed Roll 0.9/1.2mm V groove (hard) (fitted)	7977703
Feed Roll 1.2/1.6mm V groove (hard) (fitted)	7977346
Feed Roll 0.8/0.9mm U groove (soft)	7977733
Feed Roll 1.0/1.2mm U groove (soft)	7977730
Feed Roll 1.2/1.6mm U groove (soft)	7977348
Feed Roll 0.8/0.9mm V groove knurled (flux cored)	7977734
Feed Roll 1.2/1.6mm V groove knurled (flux cored)	7977347
Shielding Gas Hose Assembly	W7004913
MIG Pliers	CWPLIER



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In the interest of continuous improvements, CIGWELD Pty Ltd ABN 56 007 226 815 (An ESAB Brand) reserves the right to change specifications or design on any of its products without prior notice.

WE RECOMMEND GENUINE CIGWELD PRODUCTS

BIGGEST RANGE, BEST QUALITY & GUARANTEED PERFORMANCE

