

# CIGWELD

AN ESAB BRAND



DESIGNED  
& TESTED  
IN AUSTRALIA  
FOR OVER 100 YEARS



POWER REDUCING DESIGN

# TRANSMIG 555i

AUTO SET MULTIPROCESS  
WELDING INVERTER PACKAGE



AUTO SET MIG

MIG

STICK

TIG

GOUGING

555A  
DC OUTPUT

3 IN 1  
MULTI PROCESS

VRD  
SAFETY

AUTO SET  
MIG PROCESS

4-ROLL  
DRIVE

PUSH-PULL  
GUN COMPATIBLE

3 YEAR  
WARRANTY

# SERIOUS 'HEAVY METAL' WELDING!

Meet the new CIGWELD TRANSMIG 555i Multi Process Heavy Duty Welding package!

Boasting a powerful 555 amp inverter block, this 3-phase beast packs serious arc punch for heavy metal applications! Loaded with advanced features across MIG, STICK, TIG and GOUGING processes, the TRANSMIG 555i has a rated duty cycle of 555A @ 40% and 500A @ 60%.

Oh, and did we mention it's incredibly energy efficient? The 555i 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 555i machine compared to a lot of other older machines.

CIGWELD's AUTO-SET advanced feature helps you get the best out of your welding performance. With pre-programmed synergic lines, by simply selecting the material type, consumable diameter and plate thickness will give you the right parameters to get your welds done right!

The Transmig 555i 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.

Paired with the CIGWELD Transmig 4RX Wire Feeder, TWECO Fusion 400 MIG Gun and a robust trolley to suit, this package is designed for Heavy Metal, kick ass work!



**POWER-UP AND PAY-LESS™**



### DIGITAL METERS

Blue LED digital meters displaying amps, volts and other features.



### AUTO SET

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



### ADVANCED FEATURES

Allows the specific control of settings to be adjusted for various welding functions such as Inductance, Burnback, Spot Time, Stitch Time and Downslope.



### SELECT PROCESS

Auto Set MIG, Manual MIG, STICK, GOUGING & LIFT TIG.



### PANEL/REMOTE

Switch between the adjustment of Wire Feed Speed and Voltage Control from either the Power Source or 4RX Wirefeeder.



# TRANSMIG® 555i



## POWER SOURCE SPECIFICATIONS

Power Source Dimensions	L700 mm x W287 mm x H517 mm
Power Source Weight	49kg
Cooling	Fan Cooled
Welder Type	Multi Process Inverter Power Source
Australian Standard	AS 60974.1-2020 / IEC60974-1 / EN60974-10
Number of Phases	3
Nominal Supply Voltage	415 VAC ± 15%
Nominal Supply Frequency	50 / 60Hz
Output Terminal Type	DinseTM Style 50
Protection Class	IP23S
Welding Environment Classification	Suitable for Welding in Category C Environments; Suitable for Indoor and Outdoor Welding
Open Circuit Voltage (VRD On)	<35 V DC
Open Circuit Voltage (VRD Off)	83 V DC
Welding Current Range (MIG Mode)	30 – 555 A

Welding Current Range (GOUGING / STICK Mode)	10 – 555 A
Welding Current Range (TIG Mode)	10 – 555 A
Supply Lead	4 mm <sup>2</sup>
Effective Input Current (I <sub>1eff</sub> )	27 Amps
Maximum Input Current (I <sub>1max</sub> )	41 Amps
Efficiency	92%
Idle state power	< 30W
Minimum Three Phase Generator Recommendation	35 kVA (at 0.8 Power Factor)
MIG (GMAW) Welding Output, 40°C, 10 min	555 A @ 40%, 41.8 V 500 A @ 60%, 39 V 400 A @ 100%, 34 V
STICK (MMAW) / GOUGING Welding Output, 40°C, 10 min.	555 A @ 40%, 42.2 V 500 A @ 60%, 40 V 400 A @ 100%, 36 V
TIG (GTAW) Welding Output, 40°C, 10 min.	555 A @ 40%, 32.2 V 500 A @ 60%, 30 V 400 A @ 100%, 26 V

# TRANSMIG 555i REMOTE PLANT

P/N: W1400555

TRANSMIG 4RX  
WIRE FEEDER  
P/N: W3000410

TRANSMIG 555i  
AUTO SET  
POWER SOURCE



## PACKAGE INCLUDES

- **TRANSMIG 555i INVERTER**  
POWER SOURCE
- **TRANSMIG 4RX WIRE FEEDER**  
(FEED ROLLS 0.9/1.2MM V  
GROOVE FITTED)
- **INTERCONNECTION LEAD KIT**, 8m
- **MIG GUN TWECO FUSION 400**, 3.6m
- **REGULATOR / FLOWMETER**  
COMET PROFESSIONAL ARGON  
REGULATOR / FLOWMETER
- **WORK CLAMP**, 4m LEAD
- **TRANSMIG 355i/555i TROLLEY**  
WITH INBUILT CYLINDER CARRIER
- **OPERATING MANUAL**

## TRANSMIG TROLLEY FOR TRANSMIG 555i P/N: W4015005

The easy to assemble Transmig Welding Trolley is designed for maneuverability when using the 4RX and Transmig 555i.



SCAN CODE FOR FULL  
PRODUCT DETAILS

# TRANSMIG® 555i



Sold as Transmig 555i Remote Plant Only

## FEATURES



**Input Supply**  
415VAC +/- 15%, 3 Phase,  
50/60Hz, 27A.



**Current Range**  
Current range for this Power Source  
is 30 to 555A (MIG Mode) of DC  
Welding Output.



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



**Arc Gouging**  
The Transmig 555i is suitable for  
carbon arc gouging.



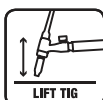
**Auto Set Process**  
Auto Set parameters for MIG.  
Determined by material type,  
thickness & consumable diameter.



**MIG (GMAW/FCAW) 555A@40%**  
0.8-1.6mm: Solid Wires & 0.8-1.6mm:  
Gasless Wires. 0.9-1.6mm: Aluminium Wires.  
0.8-1.6mm: Stainless Steel Wires.  
0.8-1.2mm: Silicon Bronze Wires.



**STICK (MMAW) 555A @ 40%**  
Power Source suitable for 2.0mm,  
2.5mm, 3.2mm and 4mm and  
5mm electrode sizes.



**TIG (GTAW) 555A @ 40%**  
Lift TIG function provides smooth  
starting and running characteristics  
across varying applications.



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



**Push Button Interface**  
Simple Push button display  
for easy navigation.



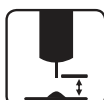
**Panel/Remote Button**  
Switch between the adjustment of Wire Feed  
Speed and Voltage Control from either the  
Power Source or 4RX Wirefeeder.



**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**  
When in MIG Modes only, press this  
button and shielding gas will purge for  
20 seconds. Press again during that  
time to stop as required.



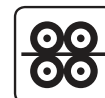
**Wire Inch Button**  
Easy Access Gas Wire Inch button on  
front display enables user to feed wire  
without wasting shielding gas.



**Voltage Reduction Device**  
Standards compliant  
STICK mode only.



**Generator**  
Recommended generator  
required: 3-phase 35kVA at  
0.8 Power Factor.



**4 Roll Wire Drive System**  
The included 4RX Wirefeeder  
comes with a robust integrated  
4-roll wire drive.



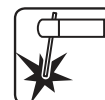
**Euro Torch Connection**



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



**Amperage Control**  
Remote amperage control capability  
in LIFT TIG.



**Cellulose Electrode Compatibility**  
The Transmig 555i is even  
compatible with cellulose  
electrodes like the E6010.



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

# TRANSMIG 4RX WIREFEEDER



The Transmig 4RX Wirefeeder is designed for use with the Transmig 555i Multi Process Welder - fitted with a Euro MIG Gun Connection it is a robust 4 Roll Feeder that can operate with 200mm and 300mm spools. The single tension arm drive system is simple to operate for easy changing of wire and feedrolls.



## WIREFEEDER SPECIFICATIONS

Wirefeeder Plant Part Number	W3000410
Wirefeeder Plant Dimensions	H453mm x W 238mm x D 553mm
Wirefeeder Plant Mass	18 kg
Wire Feed Motor Voltage	24 VDC
Gas Solenoid Voltage	24 VDC
MIG (GMAW) Welding Output, 40°C, 10 min	60% @ 550A 100% @ 426A
Transmig 355i/555i Wire Speed Range	1.5 MPM
Minimum Wire Speed	22 MPM
Maximum Wire Speed	
Operating Temperature Range	0°C - 40°C
Interconnection Plug	10 Pin
Optional Interconnection Cable Lengths	8 metre

# TWECO FUSION 400 MIG GUN

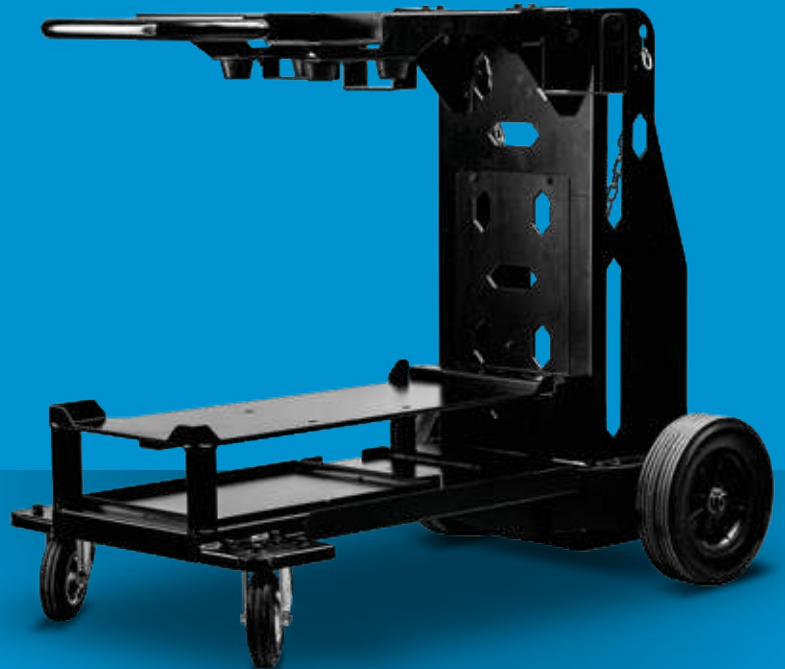


The Tweco Fusion 400 MIG GUN has been designed to provide superior performance for serious welding applications.

Boasting an ergonomic handle, the Fusion 400 reduces operator fatigue through its ease of use and trigger design increasing productivity and reducing down time. Speaking of ergonomics, with a steel spring strain relief and pivot mechanism at both ends of the gun provides additional user support and minimises wirefeed issues - keeping you welding for longer!



# TRANSMIG TROLLEY (TO SUIT TRANSMIG 355i AND 555i)



The Transmig 555i Trolley is CIGWELD's most robust and feature rich trolley to date. Featuring upgraded outrigger front wheels for enhanced stability and an all-steel construction for a rigid storage option for either the Transmig 355i or 555i.

Designed with welders in mind the Transmig 555i trolley features ample storage pockets under the power source for all your CIGWELD front end consumable kits (sold separately) as well as integrated TIG rod holder and dual side hooks for your leads and torches. This allows a user to hang and store all their gear on the trolley for easy maneuverability. Handy MIG Gun and MIG Plier storage has also been thought of and is supplied on the right-hand side of the trolley.

Integrated channel on the right side of the trolley carries the interconnection leads from the front of the power source to the rear of the 4RX wire feeder. This not only gives a neat looking aesthetic to the setup but also ensures that the leads are tucked away and wont catch on things as the trolley is wheeled around the workspace.

The rear of the trolley includes low loader gas cylinder storage tray with safety chain, allowing for a full-size cylinder to be transported with the power source and to remain connected when moved. The low load cylinder tray is designed to make it safe and easy to roll a large G-Size gas Cylinder onto the cylinder storage tray without having to lift the gas cylinder. The large rear wheels are positioned to give maximum support for the gas cylinder and maintain the trolleys ease of steering.

All castor wheels have been extensively tested to meet the weight expectations of a fully loaded trolley and feature brakes for safe storage. The front casters are mounted on outrigger mounts increasing the stability of the whole trolley.

# CIGWELD

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## TRANSMIG 555i REMOTE PLANT PACKAGE P/N: W1400555

## ORDERING INFORMATION

Transmig 555i Inverter power source
Transmig 4RX Wirefeeder (feed rolls 0.9/1.2mm v groove fitted)
Interconnection Lead Kit, 8m, 70mm <sup>2</sup>
MIG Gun Tweco Fusion 400, 3.6m, Euro

Regulator / Flowmeter COMET professional argon regulator / flowmeter
Work Clamp, 4m Lead, 70mm <sup>2</sup>
Transmig 355i/555i Trolley With Inbuilt Cylinder Carrier
Operating manual

## OPTIONAL MIG ACCESSORIES & SPARES

## MIG

Tweco Fusion 400 MIG Torch, 3.6m, Euro (supplied)	OTWF412X3545
Tweco No. 4 MIG Torch, 3.6m, Euro	OTWX412/3545
Tweco No. 4 MIG Torch, 4.5m, Euro	OTWX415/3545
Tweco Supra XT 450A MIG Gun 4m, 1.6 Wire, Euro, uses Tweco 15 Series Tips	SE400X4M16
Transmig 4RX Wirefeeder (supplied)	W3000410

2m 70mm <sup>2</sup> Interconnection Lead, 10 Pin, suits 4RX Wirefeeder	W4016005
8m 70mm <sup>2</sup> Interconnection Lead, 10 Pin, suits 4RX Wirefeeder (supplied)	W4016006
15m 70mm <sup>2</sup> Interconnection Lead, 10 Pin, suits 4RX Wirefeeder	W4016007
Transmig 355i/555i Trolley with inbuilt cylinder carrier (supplied)	W4015005
MIG Pliers	CWPLIER

We stock a large range of MIG Gun consumables and other accessories

## OPTIONAL PUSH-PULL GUNS

## MIG

CIGWELD TBi Push-Pull Gun, 8m	185P958180
CIGWELD TBi Push-Pull Gun Neck, 40 degree	185P001002

CIGWELD TBi Synchroniser Box	590P958000
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## OPTIONAL FEED ROLLS

## MIG

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)	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

## OPTIONAL STICK & GOUGING ACCESSORIES

## STICK / GOUGING

Twistlock Electrode Holder Lead 400A, 5m	646779
Welding Leadset 400A, 5m	646757
Wire Brush 4 Row Steel Bristles	646363

Chipping Hammer Spring Handle	646215
Arcair Extreme K4000 Gouging Torch	AA61082008

We stock a wide range of Gouging Carbons.

## OPTIONAL TIG TORCH ACCESSORIES & SPARES

## TIG

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
TIG Torch Accessories Kit	BGSAK2

WeldSkill TIG Welding Gloves -Large	646754
WeldSkill TIG Welding Gloves -XL	646769

We stock a wide range of TIG Torch Consumables and TIG Rods.

## OPTIONAL TIG TUNGSTEN ELECTRODES

## TIG

3T Rare Earth Tungsten Electrode 1.6mm x 175mm AC/DC Purple Band (Pkt of 2)	699859
3T Rare Earth Tungsten Electrode 2.4mm x 175mm AC/DC Purple Band (Pkt of 2)	699860
3T Rare Earth Tungsten Electrode 1.6mm x 175mm AC/DC Purple Band (Pkt of 10)	699861

3T Rare Earth Tungsten Electrode 2.4mm x 175mm AC/DC Purple Band (Pkt of 10)	699862
3T Rare Earth Tungsten Electrode 3.2mm x 175mm AC/DC Purple Band (Pkt of 10)	699863

#NOTE: Exceeding TIG torch duty cycles may cause overheating and result in damage to the equipment.



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