

THERMAL ARC
Professional 

**Portable,
Powerful
& Tough**

Portafeed[®] VS 212



Thermal Arc® Professional: when welding is your business

Thermal Arc is on the move! The Thermal Arc family of arc welding equipment has been completely overhauled, re-engineered and expanded following extensive research and development activities. We have rebuilt our range to ensure products meet your requirements and expectations for outstanding performance, reliability and durability.

We distinguish ourselves from our competition through superior featured, durable, dependable products, and excellence in customer service and technical support.

Our new Portafeed® wire feeder is proof of this commitment to deliver high quality, market leading equipment that does the job and exceeds expectations! A wealth of features, options and compatibility with other equipment make the Thermal Arc Portafeed the perfect choice for the serious welding professional.

Introducing the Portafeed VS 212

The Portafeed VS 212 is a purpose built, portable, powerful CC/CV, solid state controlled voltage sensing wire feeder. Its rugged injection molded, fiberglass reinforced, flame retardant, polypropylene case represents the latest in high strength, super tough, light weight materials.

A recessed control panel protects the controls which include a power switch, inch and purge switch, gun trigger hold (2T/4T) and the digital display for monitoring wire speed, amps, volts, arc time and meter hold function. A lifting eye, MIG gun holder, removable voltage sensing lead and recessed carrying handle are just some of the refined external features of the Portafeed VS 212.

But the features that truly set this machine apart are the aluminium cast machined feed head and tension arm combined with quick change drive rolls (geared top and bottom) and the unique (patent pending) changeable integrated MIG gun cartridge system. This market leading new system allows the operator to connect any style MIG gun to the wire feeder without the use of external adapters which can break off or restrict wire feeding. Finally all printed circuit boards are potted and sealed to be environmentally toughened from metallic dust, dirt and moisture. Costly down time will be a thing of the past when the Portafeed VS 212 is on site.

Features



Easy grip latches



Cast aluminum heavy duty handle



Recessed control panel for maximum protection



Digital display meter, wire feed speed (IPM or MPM), amperage, voltage, arc time and memory hold



Wire feed speed dial with large rubberized control knob



Power on/off switch



Inch and Gas purge switch



Gun trigger hold switch (2T/4T)



MIG gun cartridge system (patent pending)



Voltage sensing connector, 25mm dinse



Power cable with Tweco connector

Skid rails

Super tough case made from 30% glass filled polypropylene, impact tough, flame retardant



Easy open door fasteners



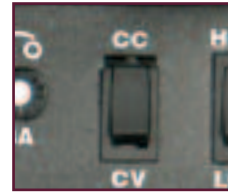
Wire spool hub with locking assembly



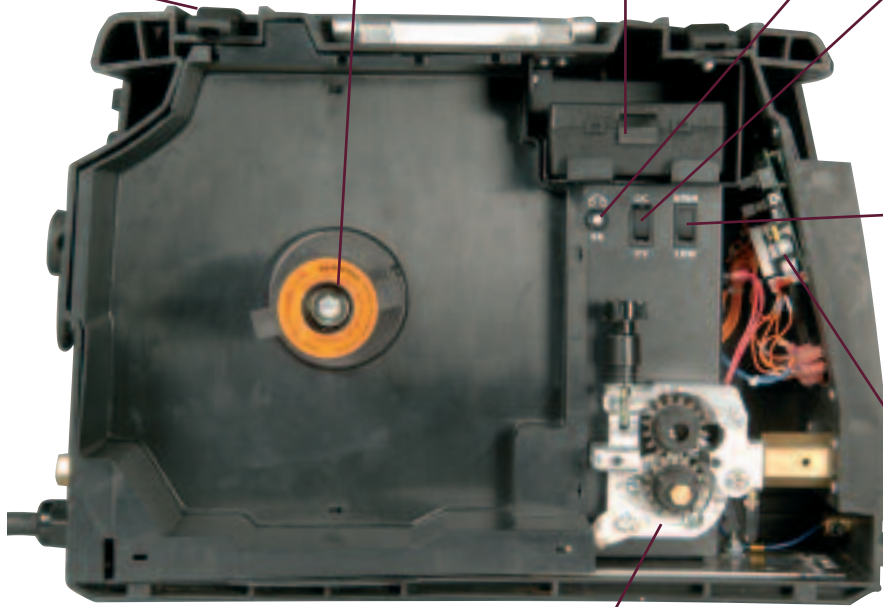
Internal parts storage



Circuit breaker



CC/CV mode switch



High/low wire feed speed switch



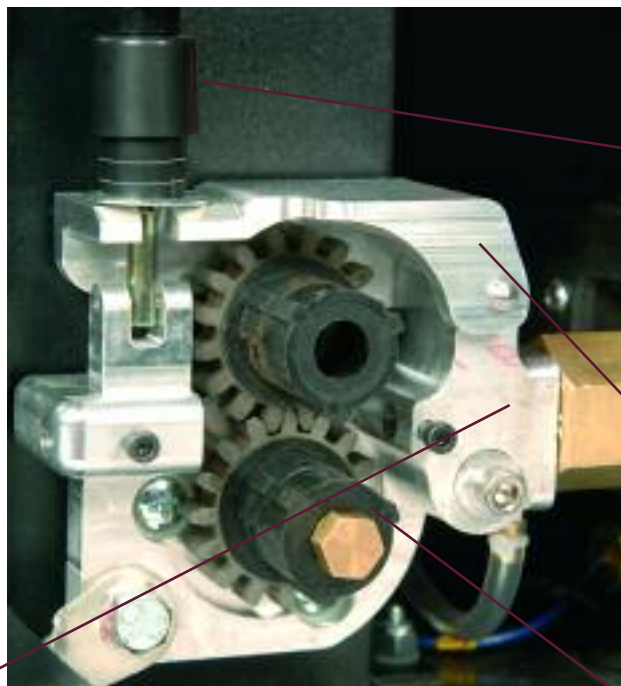
Meter DIP switch



Calibrated tension arm



Heavy duty pressure arm



Precision drive system



Quick change drive rolls, no tools required



Completely new heavy duty drive system

Portafeed® VS 212
Weld anywhere, anytime



Portafeed with optional roll cage

Machine Specifications

Input Voltage	15-100 VDC
Maximum Input Current	8 Amps
Wire Speed Range (For all Filler Wire Sizes)	50-800 ipm (1.27-20.32 m/min)
Wire Size Range	0.024" - 5/64" (0.6 - 2.0 mm)
Maximum Spool Size	44 lb. (20kg)
Feed Rolls	2 Gear Driven
Welding Current	425A at 60% Duty Cycle
Welding Gun Inlet Size (Std.)	5/8" (15.9mm) nominal, Tweco® #4
Maximum Shielding Gas Inlet Pressure	100 psi (689 Kpa)
Dimensions	15.3" x 9.4" x 21.3" (289 x 239 x 541mm)
Weight	40 lb (18.2 kg)
Approvals	IEC 60974-1, NEMA EW-3



Shown with Euro-style
MIG gun cartridge

- Robust injection molded case
- Changeable MIG gun cartridge system (patent pending)
- Digital display - IPM, MPM, Amps
- Potted printed circuit boards
- Heavy duty contactor
- Internal parts storage
- Cast pressure arm
- Inch switch and purge switch
- Gun trigger hold (2T/4T)
- Heavy duty, removable voltage sensing lead
- MIG gun holder
- Lifting eye
- Gas valve solenoid
- Wire speed high/low range
- Power cable and drive rolls included
- Geared top and bottom drive rolls
- Quick change drive rolls
- Optional roll cage available for extra protection

Ordering details



Product	Part No.	Description
Portafeed® VS 212	W3512001	No digital meters
Portafeed VS 212	W3512002	With digital meters

Accessories

Drive Roll Kits	375980-XXX	One kit (#375980-092) is supplied standard with each wire feeder, see feed roll kit chart to select drive roll style
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Wire Spool / Coil Adapters

10 lb (4.5kg), 8" spool	375585-001	
15 lb (6.8kg), 8" spool	375864-001	
14 lb (6.4kg) coil, Lincoln®	375942A	

Wire Feeder Cart	W4000001	Low profile, large caster cart
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Roll Cage	W4003001	
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MIG Gun Adapter Kits



Tweco® #4	W4004001	
Miller®	W4005001	
Lincoln® (gasless)	W4006001	
Lincoln®	W4006002	
Euro-style	W4007001	

Power Sources

Refer to Thermal Arc® website for further information

ArcMaster® 400S, 300MST, 400MST, 400MSTP
 Fabstar® 4030
 PowerMaster® Series
 Excel-Arc® Series
 Scout®, Raider® 10000, Explorer® (engine driven)

For further information on this equipment contact your Thermal Arc District Manager or refer to our fully detailed Technical Sales Brochure at www.thermalarc.com.



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