

Fabricator® 181i

MULTI PROCESS WELDING SYSTEM



Fabricator® 181i Part No. W1003181

Comes Complete with:

- * Fabricator 181i Power Supply
- * 12 ft Tweco® 180 Amp MIG Gun
- * Bonus Contact Tips (1 each):
 - .023 (0.6 mm)
 - .030 (0.8 mm) Installed
 - .035 (0.9 mm)
- * Victor® Argon Regulator/Gauge & 10 ft (3 m) Hose
- * Tweco 200 Amp Electrode Holder with 13 ft (4 m) Lead
- * Tweco 200 Amp Ground Clamp with 10 ft (3 m) Lead
- * Drive Rolls:
 - .023" / .030" (0.6 mm / 0.8 mm) V Groove (Installed)
 - .023" / .035" (0.6 mm / 0.9 mm) V Groove
 - .030" / .035" (0.8 mm / 0.9 mm) for Flux Cored Wire
- * 4 General Purpose Stick Electrodes (E6013)
- * Operator's Manual & Set-up DVD
- * 9 ft (2.75 m) Power Cord and NEMA 6-50P 230V AC Plug
- * Shoulder Strap

QUICK SPECIFICATIONS

PROCESSES

MIG (GMAW)
Flux Cored (FCAW)
Lift TIG (GTAW)
STICK (SMAW)

APPLICATIONS

Automotive Repair & Customization
Farms & Ranches
Training Institutions
Maintenance & Repair
Sheet Metal & Light Fabrication
On-site & Portable Welding Applications
Home Hobbyists (DIY)

RATED OUTPUT

180A / 23V @ 20% Duty Cycle
145A / 22.5V @ 30% Duty Cycle

MAX. OPEN CIRCUIT VOLTAGE

62V DC

AMPERAGE RANGE

10 - 180 Amps

WIRE FEED SPEED

100 - 650 IPM (2.5 - 16.5 m/min)

WEIGHT

32.2 lbs (14.6 kg)

ORDER INFORMATION

Part No: W1003181

Description: Fabricator 181i Package

Part No: W1003182

Description: Fabricator 181i Package w/Car

Three Process Capability:

MIG (GMAW/FCAW), STICK (SMAW), TIG (GTAW).

MIG:

- * **Infinite Voltage Control** with optimized starting performance.
- * **Inductance Control** for arc stability and spatter control.
- * **Tweco MIG Gun** w/12 ft. cable and industry standard #4 connection.
- * **Durable Metal Feed Plate** features 2 roll drive system, quick change reversible drive rolls and easy-to-set single scaled wire tension knob.
- * **4" or 8" Spool Capacity** allows easy installation of wire spool sizes.
- * **Spool Gun** ready.
- * **Adjustable Burnback Control.**

STICK:

- * **Adjustable Arc Force Control** for optimum STICK electrode performance.
- * Built in **Hot Start** for easy arc starting.

TIG:

- * **Lift TIG Start:** Provides TIG arc starting without use of high frequency.
- * **Downslope:** Eliminates the crater that can form at the completion of a weld.

Other Features:

- * **Digital Meters:** Voltage and Amperage; Preview and Hold capability.
- * **Excellent Portability:** Lightweight, less than 33 lbs includes shoulder strap.
- * **Comprehensive Setup Chart:** Weld set up guide for optimum welding performance over a wide range of materials and shielding gases.
- * **Trigger Control:** 4T (Latch) eliminates operator fatigue.
- * **Remote Receptacle:** Enables connection of remote control devices and Spool Gun.
- * **Quick Change Polarity:** Simple quick change polarity (no tools required) from the front of the power source.
- * **Overload Protection:** Shuts down the power source to protect the internal electrical components from overheating.
- * **IP23S:** Suitable for outdoor use.
- * **Intelligent Fan Control:** Operates when welding commences to cool components & reduce airborne contaminants pulled through the power source.

