

The Nelweld family of welders will be a continuation of Nelson's stud welders enhanced by the FACS evolution to simplify stud welding everywhere.

#### Multifunction LCD Touch Screen



The new FACS-equipped Nelweld uses a bright 12" LCD touch screen display. This tough and extremely versatile display provides a whole new level of communication to the user.

#### High-Duty Cycle

Nelson has increased the duty cycle for customers who demand the fastest larger-diameter welder in the market.

#### Plug & Play Motorized Gun Options

The new motorized gun driver module developed for the FACS system can simply replace the standard solenoid gun driver module.

#### Advanced Microprocessors & Communications

FACS uses cutting-edge microprocessor controls and will provide optional Bluetooth and Wi-Fi connectivity.

#### Automation Capabilities



The automated capabilities can support robotic-mounted welding guns with pick and place feeders for special applications.

#### Process Monitoring

The Nelweld welder includes quality monitoring features that allow operators to evaluate each weld to ensure optimal repeatability.

#### Dot Matrix Screen Available



The new FACS-equipped Nelweld can also be ordered with the familiar Dot Matrix interface that customers have used for years. The standard functions and display icons haven't changed so the operator can hit the ground running.

Built to comply with the following standards



# Nelweld

## Flexible Arc Control System

### N6000/4000 Trans Rec 1-¼" Drawn Arc Welding

Welder Specifications		N6000	N4000
Welding Voltage (V)		53 VDC	
Welding Current (I)		100A—3000A Continuously Adjustable	100A—2400A Continuously Adjustable
Welding Time (T)		5ms-1800ms Continuously Adjustable	5ms-1400ms Continuously Adjustable
Weight (welder only)		850 lbs (387 kg)	750 lbs (340 kg)
Dimensions (L x W x H)		30.0" (76cm) x 32.0" (81cm) x 32.0" (81cm)	
Enclosure Rating		IP23	
Guns		NS40 and NS20	
Material		Mild Steel, Stainless Steel, Aluminum, Alloys, and High-Strength Steel	
Weld Rates (Studs/Min)	1"/25mm	18	12
	7/8"/19mm	25	18
	3/4"/19mm	36	25
	1/2"/13mm	110	75
Maximum Stud Diameter	Steel/ Stainless	1-1/4"	1"
	Aluminum	1/2"	
Input Power		3 Phase 200-240V 50/60 Hz @ 200A 3 Phase 380-575V 50/60 Hz @ 100A	
Display		FACS Touch Screen and Dot Matrix	

