

# Pro Xp Auto Electrostatic Guns



# Pro Xp Auto Electrostatic Gun



- 85 kV internal turbine powered gun
  - Air Spray Models
  - Air Assist Models
- All connections through a manifold
  - Back manifold connections
  - Bottom manifold connections
- Spray performance and transfer efficiency of the Pro Xp manual gun
  - Pro Xp air caps and tips
- 2 choices for gun feedback
  - Smart gun with display, kV control and alarms
  - Standard gun with alternator speed indicator



# Smaller and Lighter

- Weight
  - Up to 12 oz (340 g) lighter than the Pro Xs Auto gun
- Length
  - Pro Xp Auto guns are 1.5" (4 cm) shorter than the Pro Xs Auto gun



# Built-in Dependability

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Durable components  
reduce ownership cost

Internal Power Supply  
so no extra cord

Made in the USA



Pro Xp manual gun  
components including:

- Air caps
- Nozzles
- Electrode
- Turbine
- Power Supply

3 year warranty on  
key components

FM and ATEX (CE) approved

# Pro Xp Performance Test Certificate



- Serialized test certificate included with each gun
  - Gun part number
  - Date code
  - Serial number
- Verifies the gun passed testing for
  - Spray Pattern
  - Mechanical Performance
  - Electrical Performance

Pro Xp™ Performance Test Certificate			
Operator: Date:		Part Number: Date Code: Serial Number:	
<b>Spray Pattern Test Parameters:</b> Width: Passed Height: Passed Particle Consistency: Passed Position: Passed Curvature: Passed Tilt: Passed		<b>Mechanical Performance Test:</b> Passed	
		<b>Electrical Performance Test:</b> Passed	

# Manifolds

- All connections through a manifold
  - Air hoses
  - Fluid hoses
  - Fiber optic cables (only on smart gun)
- Gun can be maintained without disconnecting hoses
- 2 styles of manifolds
  - Back manifold – ideal for stationary and reciprocator mount
    - Can be mounted directly on a ½ inch (13 mm) rod
  - Bottom manifold – ideal for robot mount



# Pro Xp Auto Standard Gun



85 kV Air Spray or Air Assist Gun

60 kV Waterborne AS or AA Gun

- No kV control or display

## Alternator Speed(Hz) Light

- Green – alternator speed is at the correct level
- Amber – alternator speed is too low  
Increase the alternator air pressure
- Red – alternator speed is too high  
Decrease the alternator air pressure



# Pro Xp Auto Smart Gun



- Gun communicates with a control module outside of the spray booth
- Control module has the capability of
  - Displaying gun spraying parameters
  - Setting kV
  - Maintenance reminders
  - Controlling 2 guns
  - Connecting to a PLC



# Pro Xp Auto Gun Control Module



Four user adjustable programs to set kV

Displays actual spraying voltage and current of gun in operation

Displays kV set point

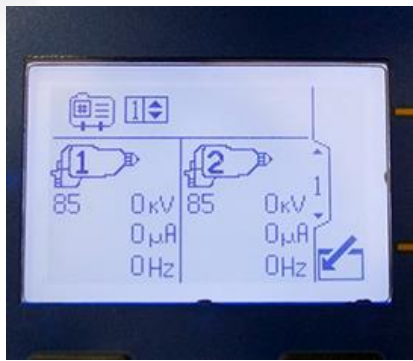
Shows turbine speed to help the customer dial in the correct air pressure.



Four maintenance reminders

- Air cap
- Tip/nozzle
- Alternator
- User programmable

Optional two gun setup



# Pro Xp Auto Gun Control Module

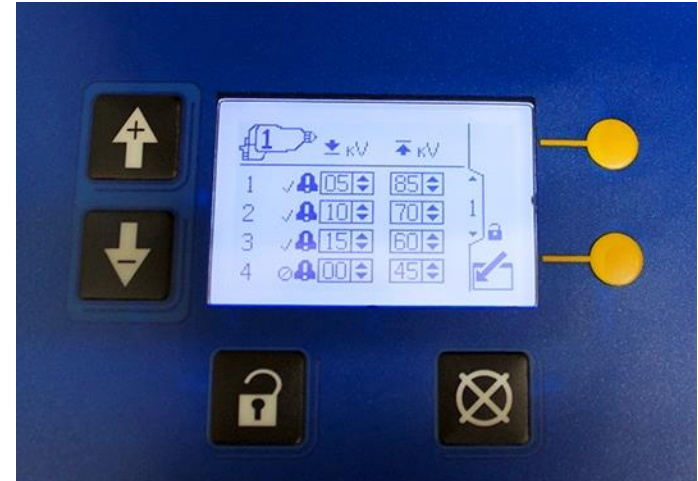


- Run Screens

- Main Screen – spray parameters
  - 1 or 2 gun screens
- Recent Events
  - Latest 20 events displayed

- Set up Screens

- Preset parameters
  - Set min and max kV
- Maintenance totalizer
  - Set days for servicing key components
- Set date
- System set up



Set up screen for profile parameters



Set up screen for maintenance totalizer 10

# Pro Xp Auto Gun Control Module



- Gun connects to the control module with fiber optic cables
- 2 smart guns can be connected to 1 control module
  - Fiber optic cable for each gun
- Remote mode I/O connection
  - Control module can be connected to a PLC or switchbox
  - I/O connection allows for
    - Profile select
    - Alarm out for low kV



# Pro Xp Auto Air Spray Gun Models

## Pro Xp Auto Air Spray Gun Models

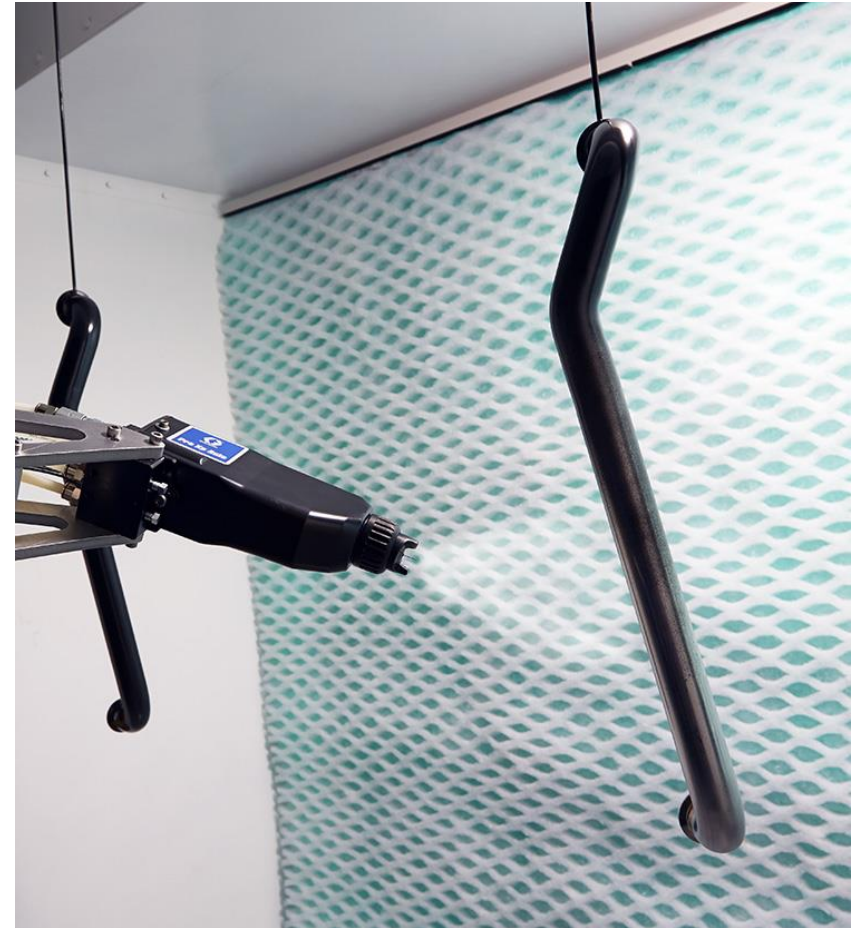
	Back Manifold	Bottom Manifold
85 kV Standard	•	•
86 kV Smart	•	•
85 kV High Conductivity	•	•
60 kV Waterborne	•	



# Pro Xp Spray Performance



- Improve spray performance and transfer efficiency with redesigned components
- Variety of aircaps to fit application needs
- Aircap is indexing for ease of installation



# Pro Xp Additional Gun Models



## High Conductivity Gun

- High Conductivity fluid tube is available as a kit
- Long fluid tube for a wide paint resistivity range
  - 30 inches (76.0 cm)
- High wear components standard
  - Nozzle has a ceramic tip insert



## Waterborne Gun

- 60 kV Standard or Smart Waterborne gun
- Connects to isolation system
- Waterborne fluid hose purchased separately
  - 25 ft (7.6 m) length
  - 50 ft (15 m) length



# Pro Xp Auto Air Assist Gun Models



## Pro Xp Auto Air Assist Gun Models

	Back Manifold	Bottom Manifold
Standard	●	●
Smart	●	●
Waterborne	●	



# Pro Xp Spray Performance



- Aircap designed similar to the G15 aircap
  - Increases transfer efficiency up to 10%
- Aircap is indexing for accurate positioning
- Clean spraying aircap for less downtime
- 1 piece aircap for ease of installation



# Pro Xp Tip Lines

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- 2 tip lines
  - AEM - Standard tip line delivers a high quality finish in a variety of applications
  - AEF – Designed with a pre-orifice to deliver a fine finish spray
- Tip is retained in the aircap



# Pro Xp Air Assist WB Gun



- 60 kV Waterborne gun
  - Standard with back manifold
  - Smart with back manifold
- Connects to an isolation system
- Waterborne fluid hose purchased separately available in
  - 25 ft (7.6 m) length
  - 50 ft (15 m) length



# Pro Xp Auto Accessories



- Gun Cover
- Robot Mount
- Dump Valve
- Round Spray Kit
  - Air Spray
  - Air Assist
- Fiber Optic Cables
- Fiber Optic Cable Repair Kit
- I/O Cable



# Pro Xp Auto Gun

