



# TECHNICAL OVERVIEW

# AER215

# Nuovo



Email:  
[inquiries@panblast.com](mailto:inquiries@panblast.com)

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# PANBLAST

## CORE STRENGTHS

- Long Established Manufacturer Servicing the Abrasive Blasting Industry
- Over 85 Global Distribution Partners
- ISO 9001:2008 Quality Management System - Certified for Manufacturing Abrasive Blast Cleaning Equipment & Accessories
- Lot & Batch Number Traceability System of all Assemblies & Components
- Regional Stock Holding of All Assemblies, Service Kits & Sub-Components
- Regionally Positioned Technical Services & Training Support
- Conformance to Local & International Standards
- Committed to Product Quality & Innovation for the Abrasive Blast Cleaning Industry
- Acceptance Sampling Inspection per ANSI/ASQC Z1.4-2008 of all Components

## System Overview

The AER215 Nuovo Closed Circuit Blaster addresses several deficiencies of current and older closed circuit blast machine designs including the main weakness of extreme operator fatigue due to use of conventional blasting components which are both heavy and bulky for vacuum blasting type applications. This traditionally caused periodic production stoppages due to the blasting operator having to rest much more frequent than normal, and constantly needing to re-balance the blasting head assembly: both in his hands and on his shoulders, resulting in wastage of valuable production time and reduced blasting operator productivity.

The newly launched PanBlast™ AER215 Nuovo Closed Circuit Blaster includes innovative features and benefits such as:

- Ultra-efficient “industry's first” integrated multi-pass cyclonic reclaimer system
- Lightweight blast & vacuum recovery head with full venturi boron carbide blast nozzle and optional aluminum operator support handle with hose assembly support strap
- Multiple quick fit brush heads to suit different surface profile applications
- “Hands-free” blast activation/de-activation via the QuikStop IIS Remote Control Handle
- Trolley mount featuring multi-directional SS lockable castor wheels for field mobility
- Storage rack for coiling blast and vacuum recovery hose assembly during transport plus storage shelf for tool box and storage hooks for protective face shields and related PPE equipment.
- Fully Adjustable first stage abrasive reclaimer system to cater for all abrasive media types
- Corsa II Automatic Abrasive Metering Valve to eliminate abrasive wastage and slugging during start up and shut down process
- Oversize particle catchment screen with viewing port window assembly
- Fully adjustable blast pressure regulator to meet all application requirements
- 14 Liter (0.5ft3) Pressure Blast Pot with integrated hi-flow remote control deadmans systems



# System Features

Fully Adjustable Abrasive Media Cleaner with wear resistant Lining

Oversize Particle Catchment Area with Viewing Window

Blast Control Pressure Regulator

OSHA Compliant Remote Control Deadman System

Reverse Pulse Cartridge Dust Collection System

Light Weight Durable Blast & Vacuum Hose Assembly 10 meters (33ft) Long

Blast & Vacuum Recovery Head with Boron Carbide Venturi Nozzle

Pneumatic Vacuum Producer with Exhaust Silencer

Replaceable Abrasive Media Return Plate

Work Frame Trolley Handle

Blast & Vacuum Hose Hanger Rods

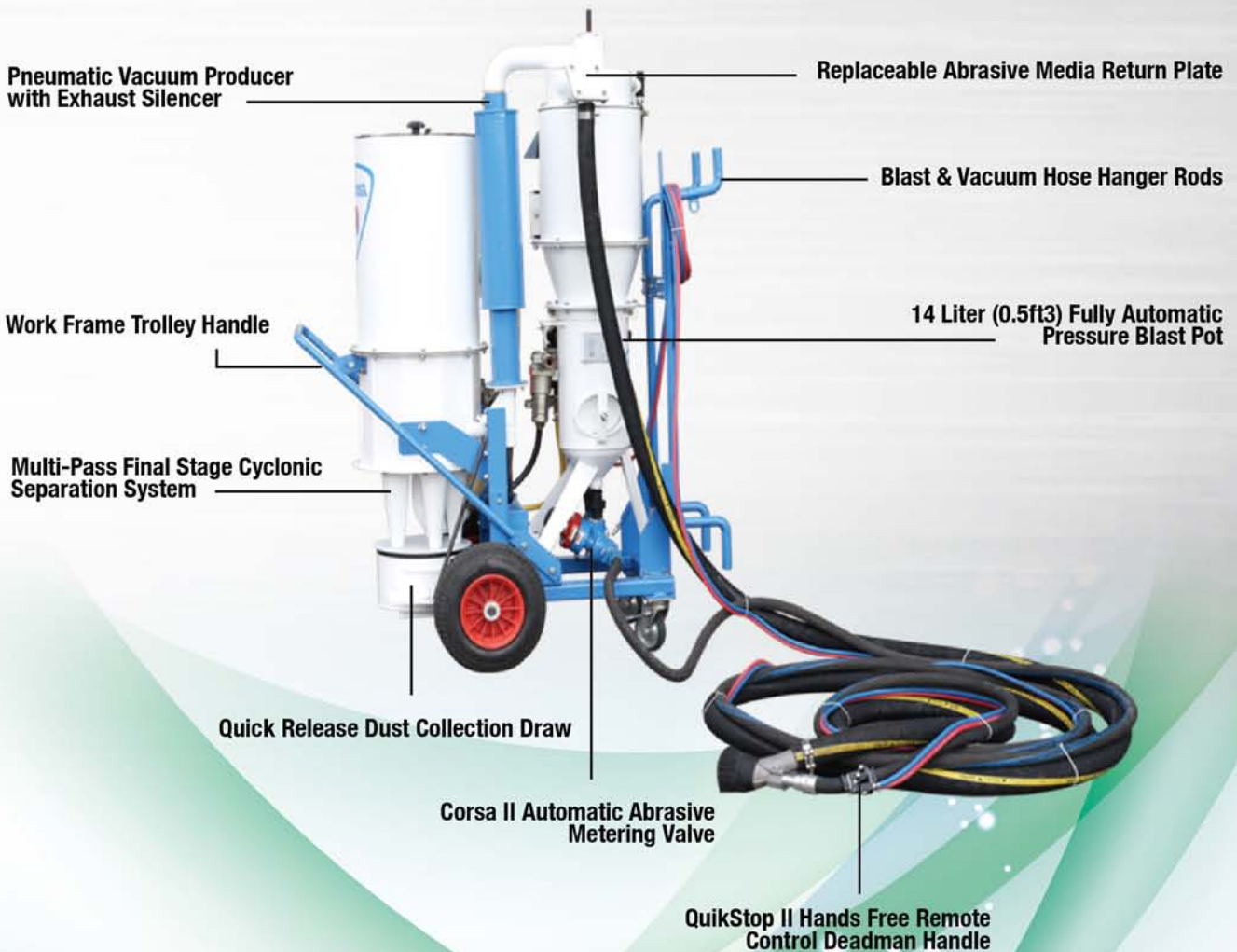
Multi-Pass Final Stage Cyclonic Separation System

14 Liter (0.5ft<sup>3</sup>) Fully Automatic Pressure Blast Pot

Quick Release Dust Collection Draw

Corsa II Automatic Abrasive Metering Valve

QuikStop II Hands Free Remote Control Deadman Handle



# System Specification

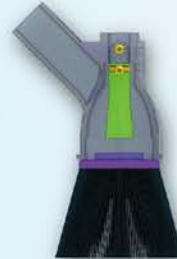
Configuration	Total Pneumatic Driven System
Compressed Air Requirement	215m <sup>3</sup> /hr – (126CFM) @ 100psi
Vacuum System	Air Ejector with Exhaust Silencer
Approx. Blasting Speed	5.5 to 6 M <sup>2</sup> Per/Hour
Pressure Blast Pot	Automatic 14 Liter (0.5ft <sup>3</sup> ) Media Capacity
Blast Nozzle	6mm (1/4") Boron Carbide Full Venturi
Blast Hose	19mm (3/4") I.D. x 10 Meters (33ft) Premium Light Wall
Vacuum Recovery Hose	50mm (2") I.D. x 10 Meters (33ft) Spring Coil Reinforced
Abrasive Separation System	Fully Adjustable Cyclone Reclaimer with Internal Abrasive Resistant Lining
2nd Stage Separation System	Multi-Pass Cyclonic Reclaimer
Dust Collector	Reverse Pulse Jet Dust Collection System
Cartridge Filter Area	23m <sup>2</sup>
Remote Control Handle	Hands Free Drop Ball & Strap QuikStop IIS
Remote Control System	OSHA Compliant
Abrasive Metering Control	Corsa II Automatic Plunger Type
Transportability	Mobile Site Transportation Skid
Vacuum Brush Attachments	Flat / Inside Corner / Outside Corner/ Curved
Vacuum Head Handling	Ergonomic Vacuum Head Support Handle Assembly (Optional)
Operator Hose Support	Clip & Release Padded Shoulder Hose Support Strap Assembly (Optional)



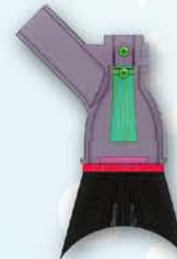
**INSIDE CORNER**



**OUTSIDE CORNER**



**FLAT**



**CURVED**

## Profile Brush Attachments



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## System Overview

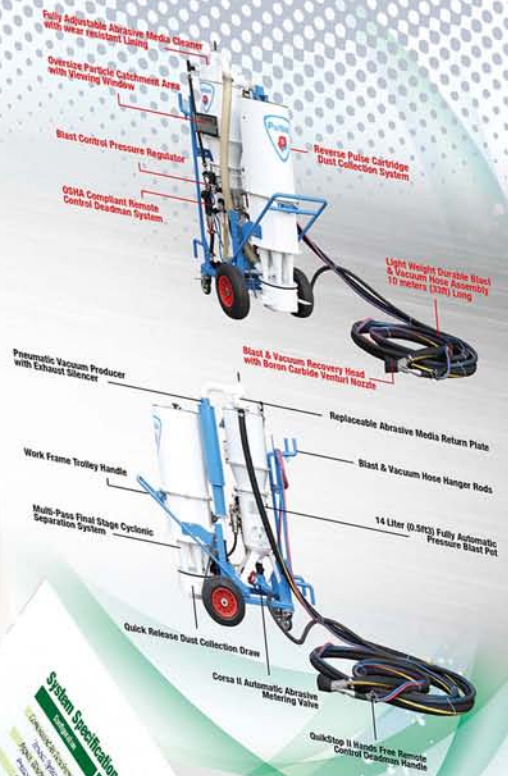
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The newly launched PanBlast™ AER215 Nuovo Closed Circuit Blaster includes innovative features and benefits such as:

- Ultra-efficient "industry's first" integrated multi-pass cyclonic recycler system
- Lightweight blast & vacuum recovery head with full venturi boron carbide blast nozzle (optional)
- Aluminum operator support handle with hose assembly profile applications
- Multiple quick fit breath hoses to suit different surface profile applications
- "Hands-free" blast activation/de-activation via the QuickStop™ Remote Control Handle
- Trolley mount featuring multi-directional SStockable castor wheels for field mobility
- Storage rack for cutting blast and vacuum recovery hose assembly during transport plus change sheet for tool box and storage tanks for protective face shields and related PPE equipment.
- Fully Adjustable first stage abrasive recycler system to cater for all abrasive media types
- Corsa II Automatic Abrasive Metering Valve to eliminate abrasive wastage and slugging
- Fully Adjustable Blast Pressure Regulator to meet all application requirements
- Over-size particle catchment screen with viewing port window assembly
- Fully adjustable blast pressure regulator to meet all application requirements
- 14 Liter (0.50C) Fully Automatic Pressure Blast Pot

## System Features



## System Specification

System Specification	Maximum Performance
Pressure	14 Liter (0.50C) Fully Automatic Pressure Blast Pot
Flow Rate	14 Liter (0.50C) Fully Automatic Pressure Blast Pot
Media	Aluminum Oxide, Silica, Garnet, Glass Bead, Plastic Media
Media Size	0.15mm to 0.85mm
Media Weight	Up to 10kg
Media Recycle	Multi-pass cyclonic recycler system
Media Return	Replaceable Abrasive Media Return Plate
Media Loss	Less than 1% (industry standard is 5-10%)
Media Contamination	Over-size particle catchment screen with viewing port window assembly
Media Degradation	Low
Media Storage	Storage rack for cutting blast and vacuum recovery hose assembly during transport plus change sheet for tool box and storage tanks for protective face shields and related PPE equipment.
Media Handling	Lightweight blast & vacuum recovery head with full venturi boron carbide blast nozzle (optional)
Media Recovery	Aluminum operator support handle with hose assembly profile applications
Media Reuse	Multiple quick fit breath hoses to suit different surface profile applications
Media Recharge	"Hands-free" blast activation/de-activation via the QuickStop™ Remote Control Handle
Media Refill	Trolley mount featuring multi-directional SStockable castor wheels for field mobility
Media Refill Time	Storage rack for cutting blast and vacuum recovery hose assembly during transport plus change sheet for tool box and storage tanks for protective face shields and related PPE equipment.
Media Refill Method	Fully Adjustable first stage abrasive recycler system to cater for all abrasive media types
Media Refill Location	Corsa II Automatic Abrasive Metering Valve to eliminate abrasive wastage and slugging
Media Refill Frequency	Fully Adjustable Blast Pressure Regulator to meet all application requirements
Media Refill Quantity	Over-size particle catchment screen with viewing port window assembly
Media Refill Rate	Fully adjustable blast pressure regulator to meet all application requirements
Media Refill Efficiency	14 Liter (0.50C) Fully Automatic Pressure Blast Pot



## TECHNICAL OVERVIEW AER215 NUOVO



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