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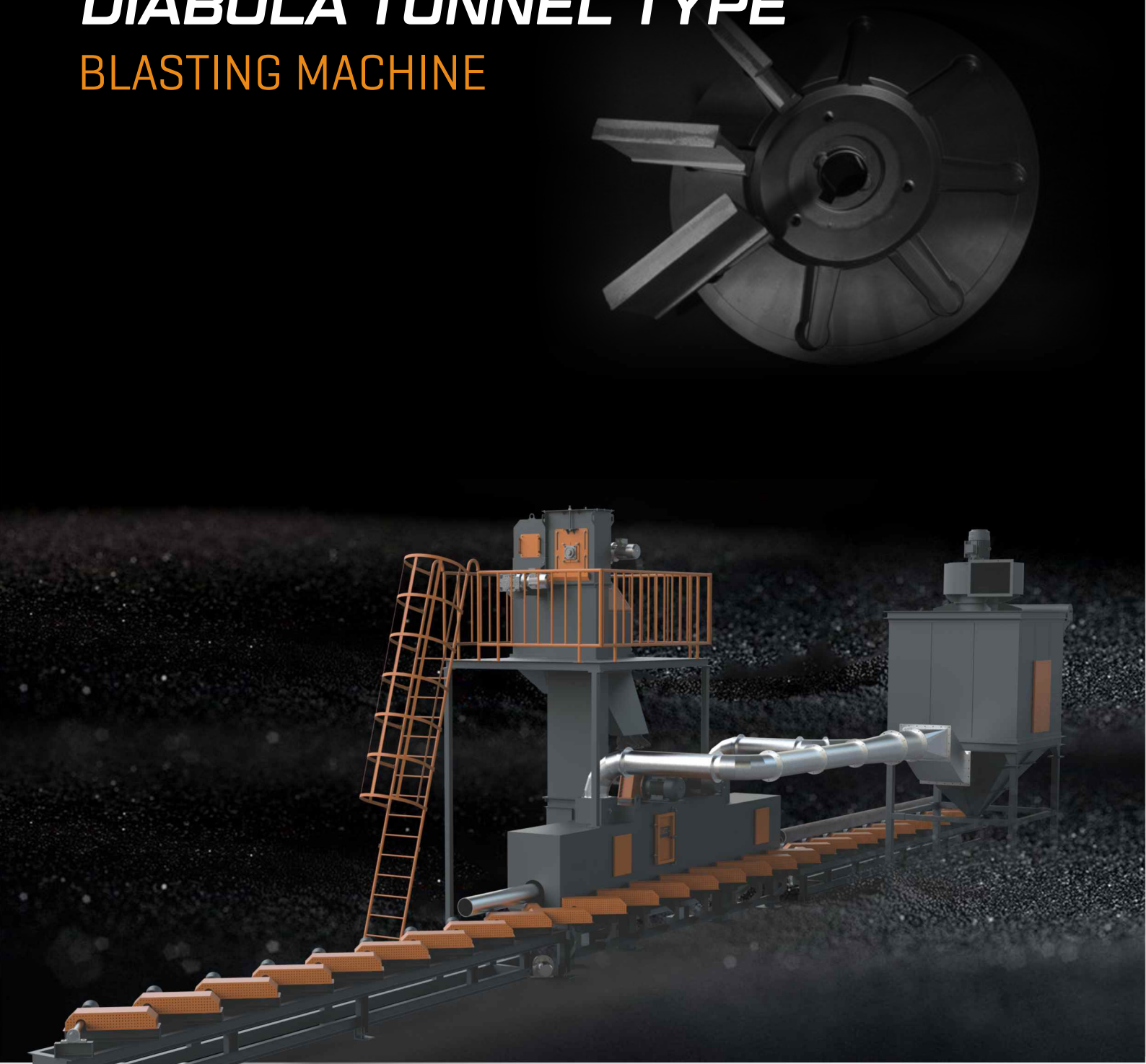
GEC
SHOT BLASTING
An ISO 9001:2015 Certified Company

DIABOLA TUNNEL TYPE
BLASTING MACHINE



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Diabola Tuner Type Shot Blasting Machine

» Advanced Pipe & Cylindrical Surface Cleaning Solution

The Diabola Tuner Type Shot Blasting Machine is specially designed for efficient cleaning of pipes, rods, shafts, and other cylindrical components. Using high-speed blast wheels and rotating diabola rollers, the machine provides 360° uniform blasting coverage, removing rust, mill scale, and surface contaminants.This system ensures high productivity, consistent surface finish, and improved coating adhesion, making it ideal for industries such as oil & gas, steel fabrication, automotive, and engineering.

Key Features

- ✔ 360° Uniform Surface Cleaning
- ✔ Diabola Rollers for Smooth Pipe Rotation
- ✔ High Efficiency Blast Wheels
- ✔ Continuous Conveyor System
- ✔ Advanced Abrasive Recovery System
- ✔ High Performance Dust Collector
- ✔ PLC Based Control Panel
- ✔ Heavy Duty Industrial Construction



Blasting Process Flow

Working Principle

The machine operates on a continuous conveyor system with diabola rollers that rotate the cylindrical workpieces during blasting.

Process Flow

- » Pipes or rods are loaded onto diabola rollers.
- » Rollers rotate the components continuously.
- » Blast wheels project steel shots at high velocity.
- » Rust, scale, and contaminants are removed.
- » Abrasive is recovered, cleaned, and reused.
- » Dust is extracted through the dust collector system.



MAIN MACHINE COMPONENTS

- Loading Diabola Roller Conveyor
- Diabola Rollers
- Blast Chamber
- Blast Wheels
- Maintenance Platform
- Bucket Elevator
- Pulse Jet Dust Collector
- Outlet Conveyor



TECHNICAL SPECIFICATION

TYPE	Opening Diameter (mm)		HP	m/min	Machine Height	Turbine Number
TDB-1W-600	450	600	10	0.5 – 3	3500	1
TDB-2W-1500	900	1500	15	0.5 – 3	4500	2
TDB-3W-3250	1500	3250	15	0.5 – 3	6000	3

Note :- Other sizes available on customization.

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