Automatic Extruder

Versatile Material Handling: Designed to process a wide range of materials such as meta materials, ceramic materials, and metal powders with adequate plasticity to pass through the die.

Piston Type Extruder: The piston-driven design ensures smooth and efficient material extrusion.

Fixed Machine Frame: Mounted in a robust mild steel (MS) frame, ensuring stability during operation.

Precise Extrusion Height: The extrusion height is set to 200mm from the base level for optimal material flow.

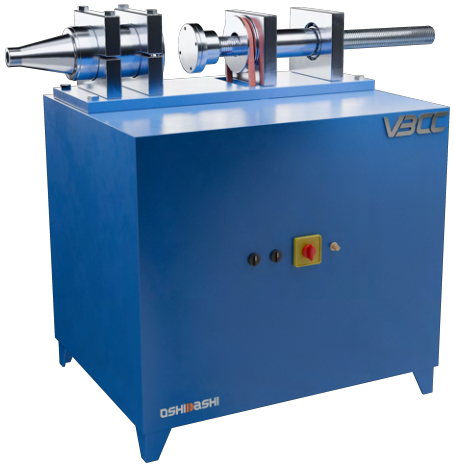
Single Screw Piston Movement: The machine uses a single screw model that is connected to the piston for efficient material movement through the die orifice.

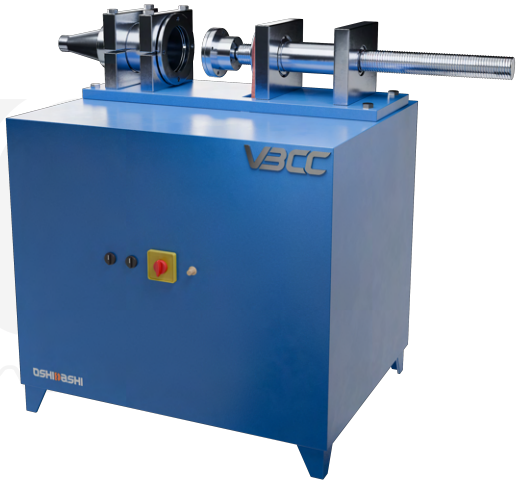
Mechanized Drive: Powered by a 0.5HP motor, ensuring efficient performance.

Variable Speed Control: The extruder features a variable speed drive (VFD) for precise control over extrusion speed.

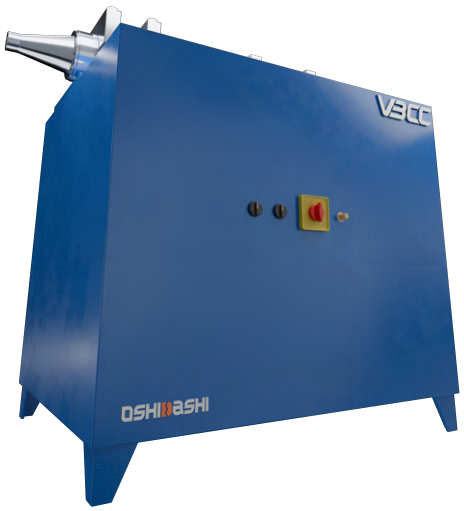
Polished Stainless Steel Barrel: The barrel is made from high-quality, well-polished stainless steel for durability and smooth operation.

Customizable Die Size: A single die, customized to the customer's requirements, is supplied with the extruder. Standard die dimensions include an inner diameter of 5.5 mm and an outer diameter of 11.5 mm.





Feature	Details
Type	Extrusion Machine for Meta Materials, Ceramic Materials and Metal Powders
Model	Piston Type Extruder
Frame	Fixed in a robust Mild Steel (MS) frame
Extrusion Height	200 mm from the base level
Working Principle	Material with suitable plasticity is loaded through the barrel, and the piston pushes it through the die orifice
Piston Movement	Single screw model connected to the piston
Drive	Mechanized drive with a 0.5 HP motor
Speed	Variable speed with VFD control
Barrel	Made from well-polished Stainless Steel
Die Size	Custom die supplied (Inner Diameter: 5.5 mm, Outer Diameter: 11.5 mm)
Power Supply	0.5 HP motor
Customization Options	Die sizes and extrusion parameters customizable based on customer needs



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Available Options:

Single Screw Model: Ideal for simpler extrusion processes, offering good control over material flow.

Twin Screw Model: Provides enhanced mixing and better handling of more complex materials for superior quality and consistency.

Piston Type Model: Suitable for applications requiring precise material pushing and high pressure for more demanding material types.