

PRODUCT PROFILE & CNC BALUSTER CUTTING MACHINE



WELCOME



ABOUT THE COMPANY

Established in 2012 as **FUSION TECHNOCRAFT** and incorporated as an LLP on May 17, 2018, **FUSION CNC TECHSYSTEMS LLP** is a leading manufacturer and importer of advanced CNC Stone Carving and Cutting Machine technology and stone diamond tools. Under the visionary leadership of **Mr. Manish Sukhadia**, Founder and Managing Partner, the company specializes in a diverse product range including CNC engraving and cutting machines, profiling machines, stone temple and pillar carving systems, sculptures, granite monuments, and tombstone machinery. Renowned for exceptional performance, high durability, low maintenance costs, and competitive pricing, Fusion CNC ensures the highest quality by using premium raw materials and maintaining a robust network of trusted vendors with an efficient bulk manufacturing infrastructure. Driven by innovation and guided by experience, Fusion CNC continues to build a strong presence in the stone processing machinery industry and shape excellence in CNC technology and stone craftsmanship.



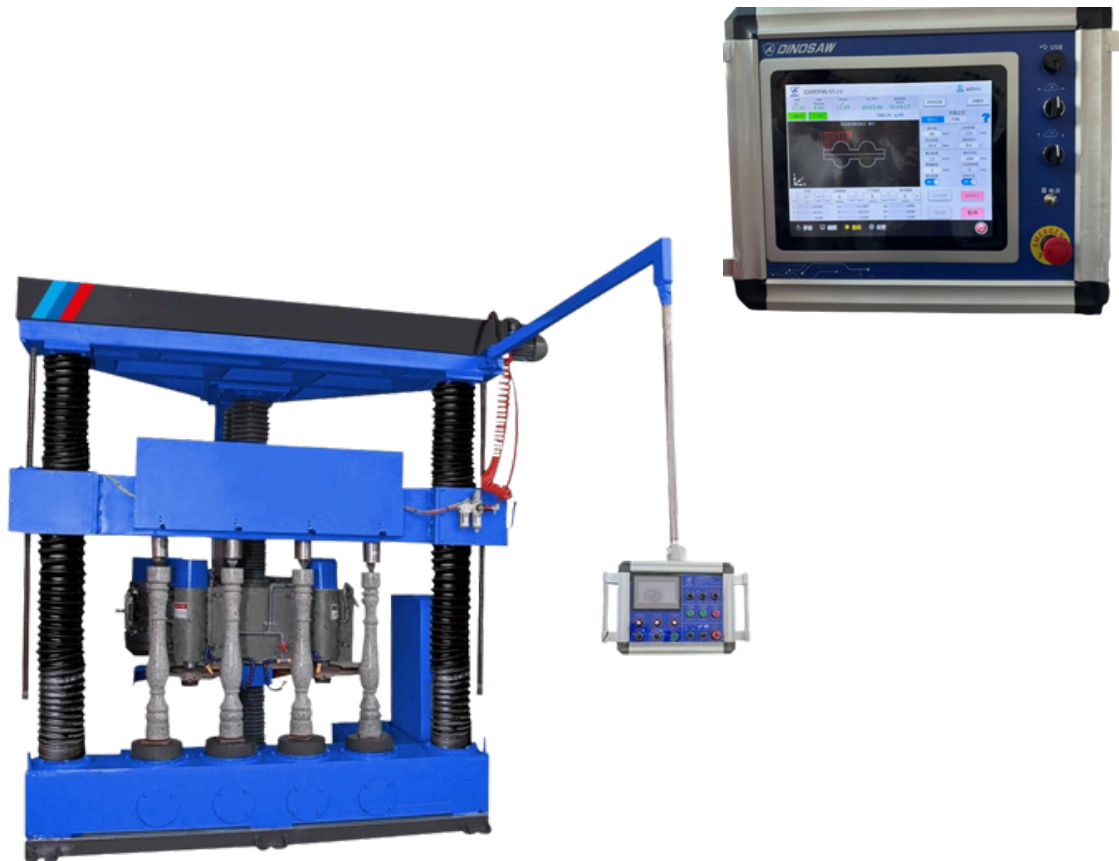
+900
CUSTOMER



+100
PROJECT DONE

13+
YEARS OF EXPERIENCE

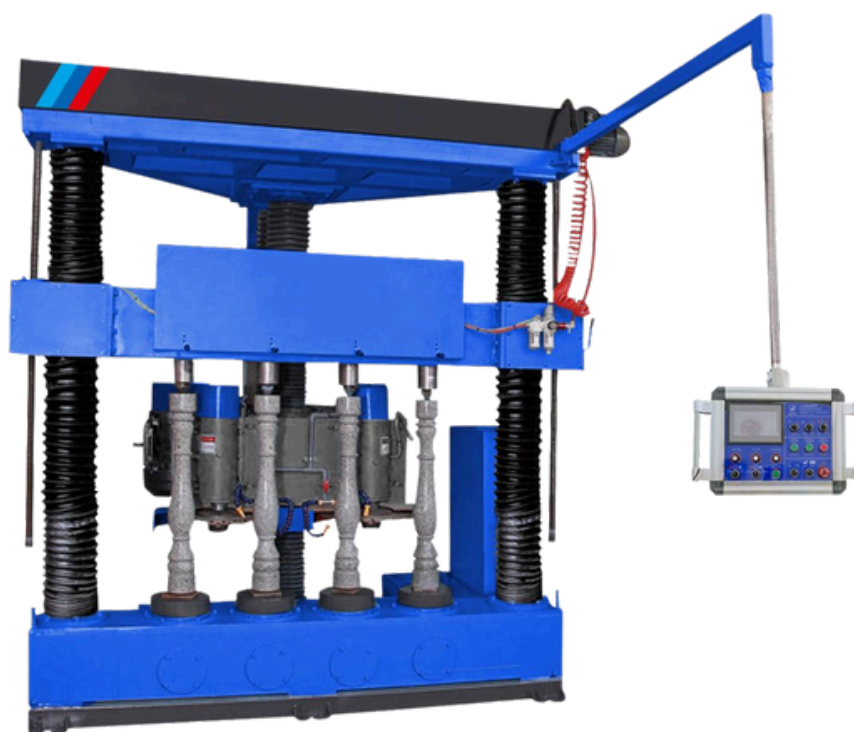
Vertical 4-Workpiece Baluster Profiling Machine LGFX-LS4



This vertical stone profiling machine processes ornamental elements with 4-workpiece simultaneous capability. After parameter setup, one operator can manage multiple machines, significantly boosting production efficiency. The machine handles granite, marble, limestone, sandstone, travertine, engineered stone, terrazzo and concrete. It transforms these materials into decorative elements including stair balusters, handrail, fence spindles, vases, decorative pillars and fountain risers.

EQUIPMENT TECHNICAL FEATURES

1. Large screen CNC system operation interface, Easy operation, can monitor various working conditions of the equipment.
2. Adopt casting frame, linear guide rail, precise bearings with small running resistance and more stable, energy saving and power saving, high cutting precision.
3. The equipment has low starting current and power failure protection system, which can effectively avoid equipment failure caused by power failure;
4. It can process various cylindrical railings road sign blocking balls, column heads and column caps, etc., with various functions;



Productivity



Precision



Save labor



High cost performance

Granite > Balusters & Railings



Marble columns and capitals remain essential architectural elements in high-end construction, hospitality venues, and historical restoration projects. Traditional production methods involve extensive manual labor, resulting in inconsistent quality, high costs, and limited production capacity – challenges that significantly restrict market growth and profitability for stone fabricators.

The DINOSAW Vertical 4-Pillars Stone Cutting Machine employs advanced control technology specifically calibrated for producing complex column designs. The machine's trapezoid structure provides exceptional stability during the cutting process, virtually eliminating vibration-related flaws. Dual-axis movement enables the creation of intricate fluting, tapers, and entasis curves characteristic of classical orders, while achieving surface finishes that require minimal additional polishing.

The economic impact extends beyond production efficiencies. By enabling precise replication of historical column designs, the machine allows fabricators to compete for heritage restoration contracts previously limited to specialized artisans. The consistent quality and reduced lead times open new business opportunities in commercial construction, where scheduling precision is critical to project timelines and profitability.

2. Cases

Enhancing Stone Balustrade Production Efficiency

A stone supplier using the DINOSAW 4-Workpiece Machine with PLC control increased output by 240% while reducing labor costs 60%. The automated template system ensures consistent symmetry across all balusters, eliminating matching issues and installation delays. This improved workflow quality and accelerated project timelines.



Precision Crafting for Slender Stone Vessels

A stone fabricator expanded into decorative products using the DINOSAW 4-Workpiece system with CNC control. They now produce elegant slender vases up to 1.2m tall with intricate profiles. The machine processes matching sets simultaneously, cutting production time by 65% while maintaining perfect dimensional consistency across all pieces.



Creating Sophisticated Water Features with Precision

A landscape supplier implemented the DINOSAW 4-Workpiece system with PLC control to meet growing demand for fountain elements. They now efficiently produce decorative fountain columns up to 1.2m long with consistent water flow channels and precise details. Material waste decreased 22% while production capacity tripled.



Machine Picture



Operation screen



CNC baluster cutting machine technical parameters

Model	Unit	LGFX-LS4
Working Length	mm	200-1000
Working Diameter	mm	350/2pcs、 220/4pcs
Saw Blade Size	mm	440/470
Main Motor Power	kw	15KW*2 sets
Total power	kw	32KW
Water consumption	m ³ /h	3
Weight	kg	4200
Machine Size	mm	2400x2200x2750

Electrical device

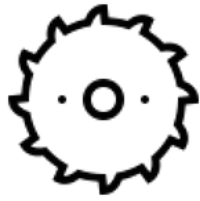
Name	Brand
Main motor	ZHEJIANG (China Top1)
Electric components	Schneider
Converter	Delixi (China Top1)
Servo Motors	XINJE (China Top1)

Machine Function



The Casting frame to ensure stability during operation and extend the service life of the equipment in a humid environment.





Versatile Shape Profiling

Create balusters, vases, columns, guide bars, handrails and decorative elements with one machine



Remote System Upgrade

OTA technology for remote updates, IoT connectivity, and online pattern library access



Cast Iron Trapezoid Structure

Durable cast iron body with isosceles trapezoid design for stability and vibration reduction



Single-Operator Multi-Machine Control

Simple operation allows one operator to manage multiple machines, reducing labor needs



Safety Features

Emergency stop buttons and overload protection mechanisms for operator safety



PROUD TO BE MEMBER OF



Centre for
Development of Stones



CONTACT US

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