



Adjustable
Rolling Dies



Cold Forming
Technology

THREAD ROLLING MACHINE

Precision Solutions for Professional Thread Forming This catalog showcases a complete range of advanced thread rolling machines engineered for speed, power, and high precision. Ideal for industrial applications such as automotive, construction, manufacturing, and precision machining. Discover exceptional performance in every detail – from energy efficiency and durability to flawless thread results.



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THREAD ROLLING MACHINE

BTR

DOUBLE AXIS SERIES

Double Axis Thread Rolling Machine ensures high-precision threading with synchronized dual spindles. Ideal for mass production, it delivers fast operation, consistent results, and exceptional durability for industrial use.

THREAD ROLLING MACHINE

TYPE BTR28-40B

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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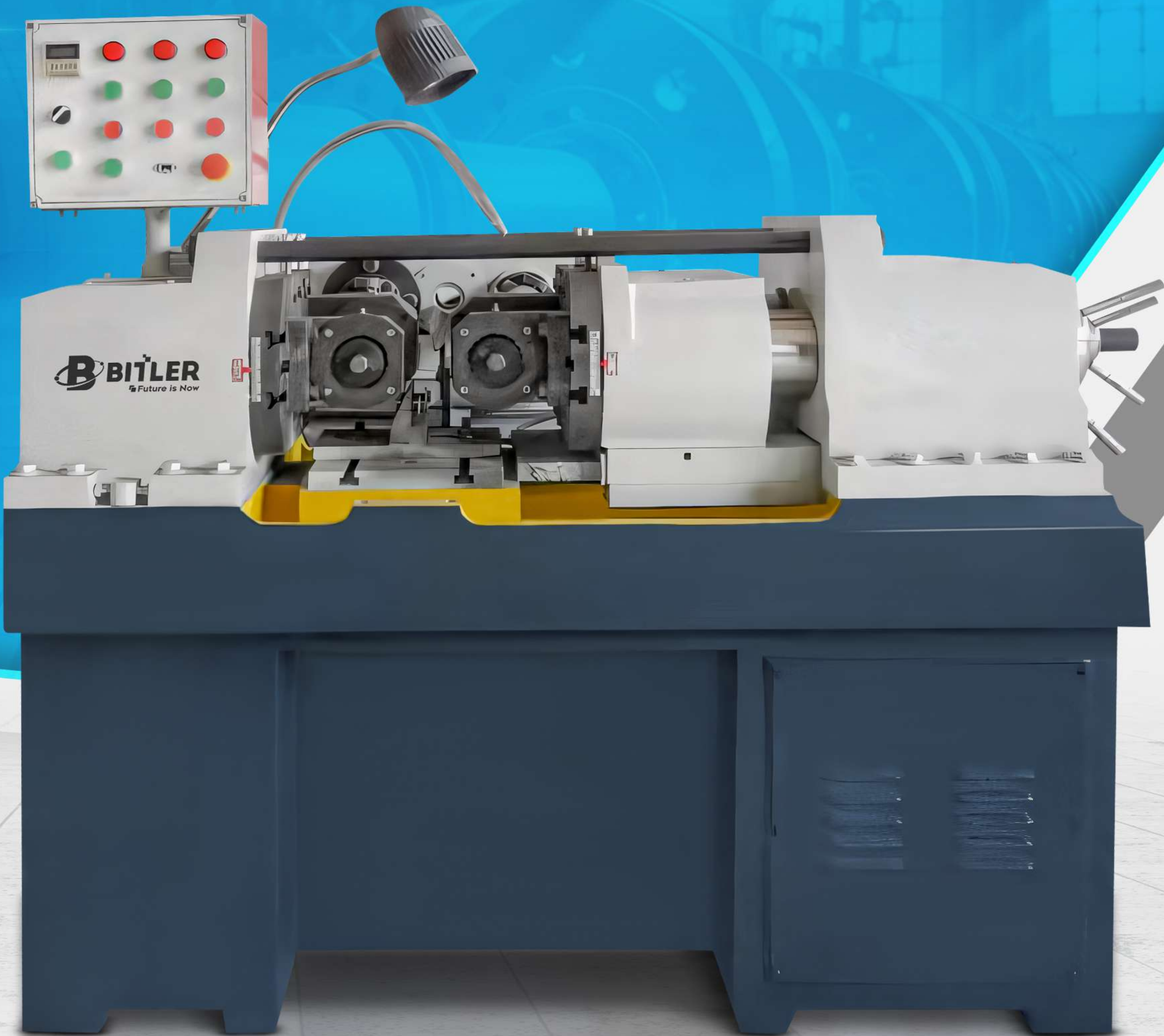
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ4-36mm
	Thread Pitch	0.5-4.0mm
Spindle Angle		±6°
Maximum Rolling Pressure		120kn
Spindle RPM		Exchange Gear 39/49/66/82rpm
Thread Rolling Wheel Range	Diameter	Φ120-Φ170mm
	Aperture	Φ54mm
	Maximum Width	100mm
Spindle Drive Power		4.0
Hydraulic Transmission Power		2.2kw
Physical Size		1450x1300x1300mm
Machine Weight		1100±50kg

THREAD ROLLING MACHINE

TYPE BTR28-80

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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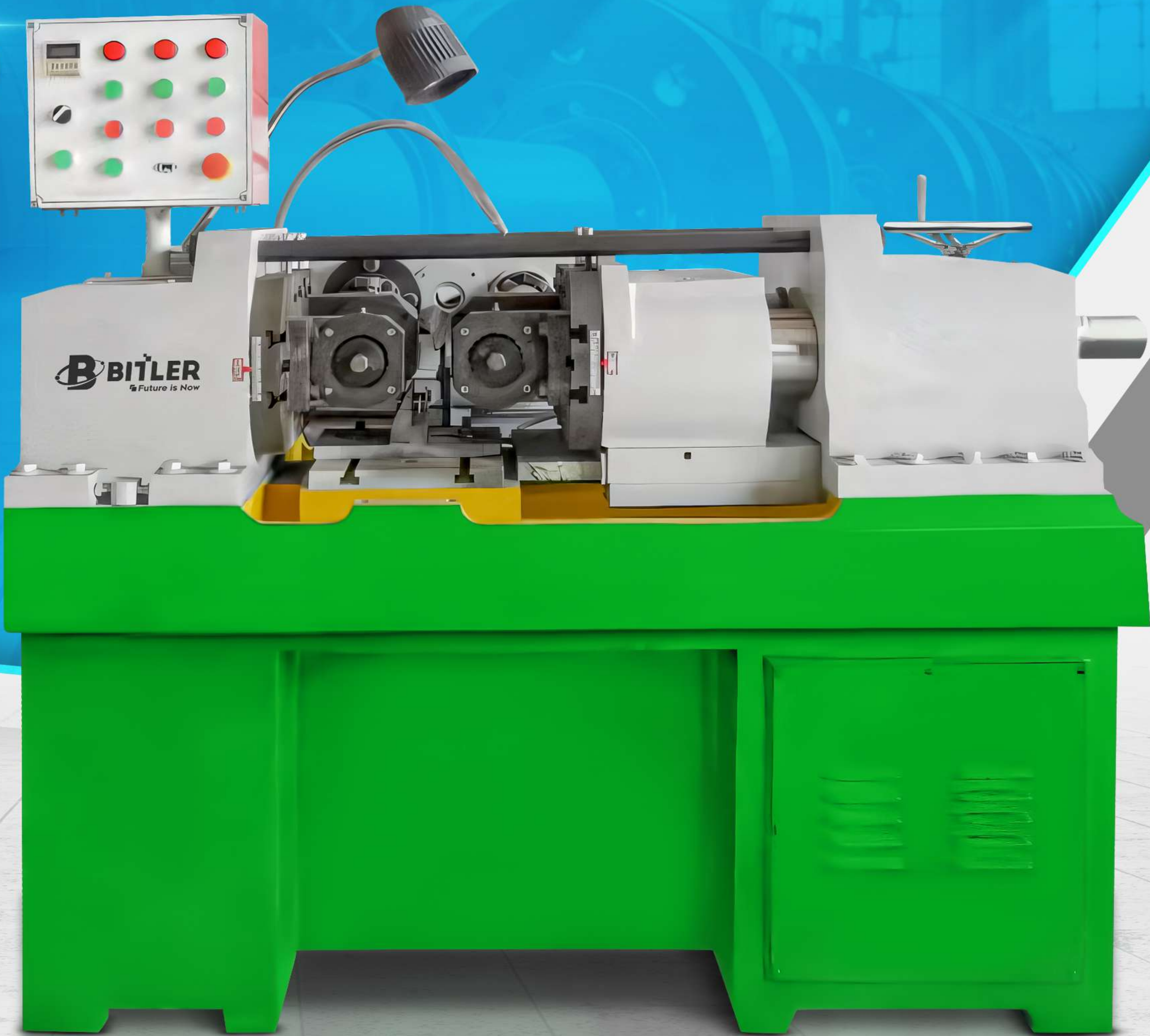
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ5-48mm
	Thread Pitch	5.0mm
Spindle Angle		±8°
Maximum Rolling Pressure		160kn
Spindle RPM		37/46/63/79rpm
Thread Rolling Wheel Range	Diameter	Φ120- Φ170mm
	Aperture	Φ54mm
	Maximum Width	100mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		5.5kw
Hydraulic Transmission Power		2.2kw
Physical Size		1520x1400x1450mm
Machine Weight		1600kg

THREAD ROLLING MACHINE

TYPE BTR28-150B

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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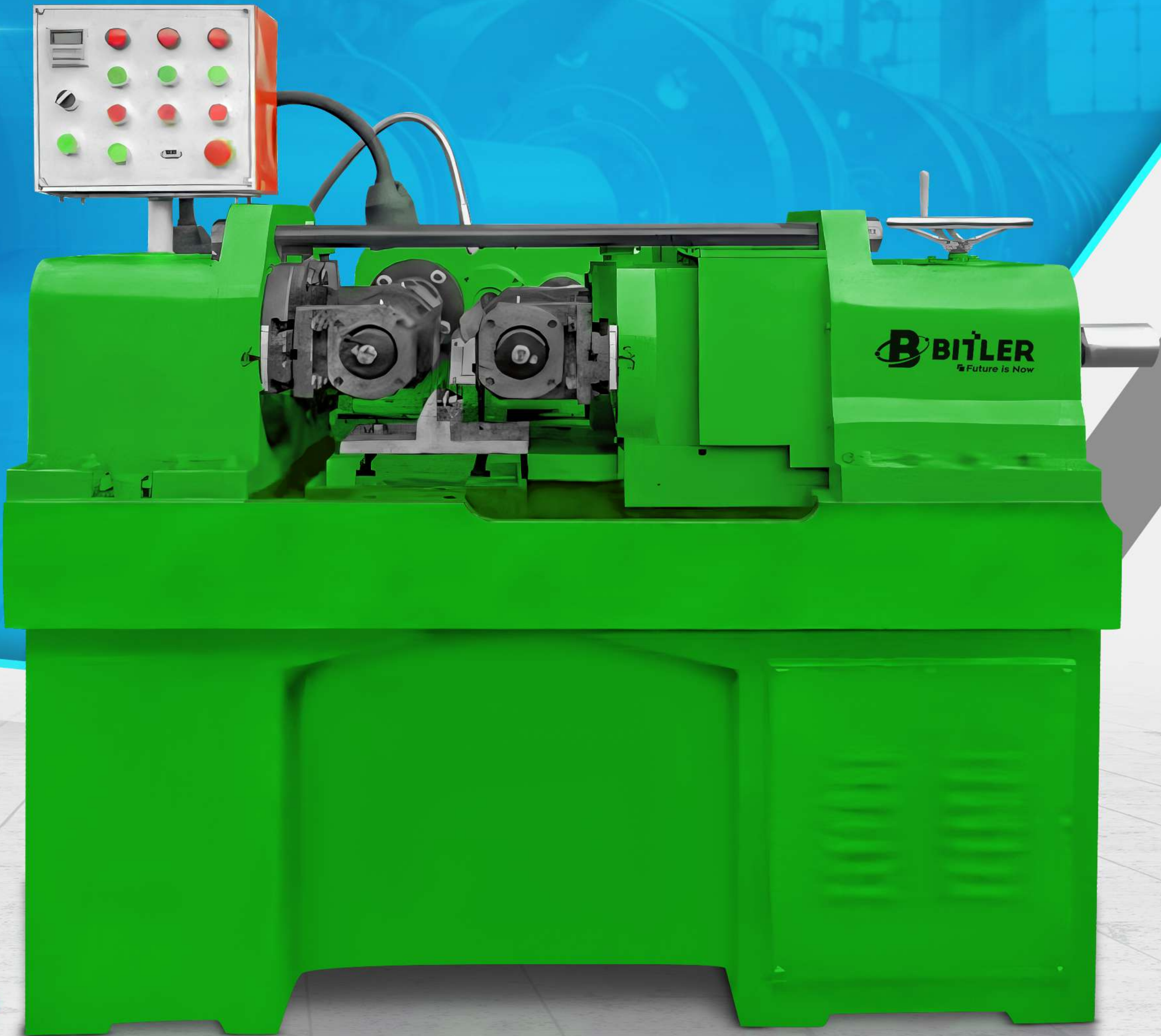
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ5-52mm
	Thread Pitch	5.0mm
Spindle Angle		±8°
Maximum Rolling Pressure		180kn
Spindle RPM		Exchange Gear 37/46/63/79rpm
Thread Rolling Wheel Range	Diameter	Φ120-Φ170mm
	Aperture	Φ54mm
	Maximum Width	30-100mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		5.5kw
Hydraulic Transmission Power		2.2kw
Physical Size		1560x1450x1450mm
Machine Weight		1850kg

THREAD ROLLING MACHINE

TYPE BTR28-185

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ60mm
	Thread Pitch	6mm
Spindle Angle		±10°
Maximum Rolling Pressure		250kn
Spindle RPM		Exchange Gear 22/28/35/45/56/70rpm
Thread Rolling Wheel Range	Diameter	Φ210mm
	Aperture	Φ75mm
	Maximum Width	160mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		11kw
Hydraulic Transmission Power		3.0kw
Cutting Oil Pump Driving Motor		90w
Physical Size		1800x1600x1450mm
Machine Weight		2100kg

THREAD ROLLING MACHINE

TYPE BTR28-200

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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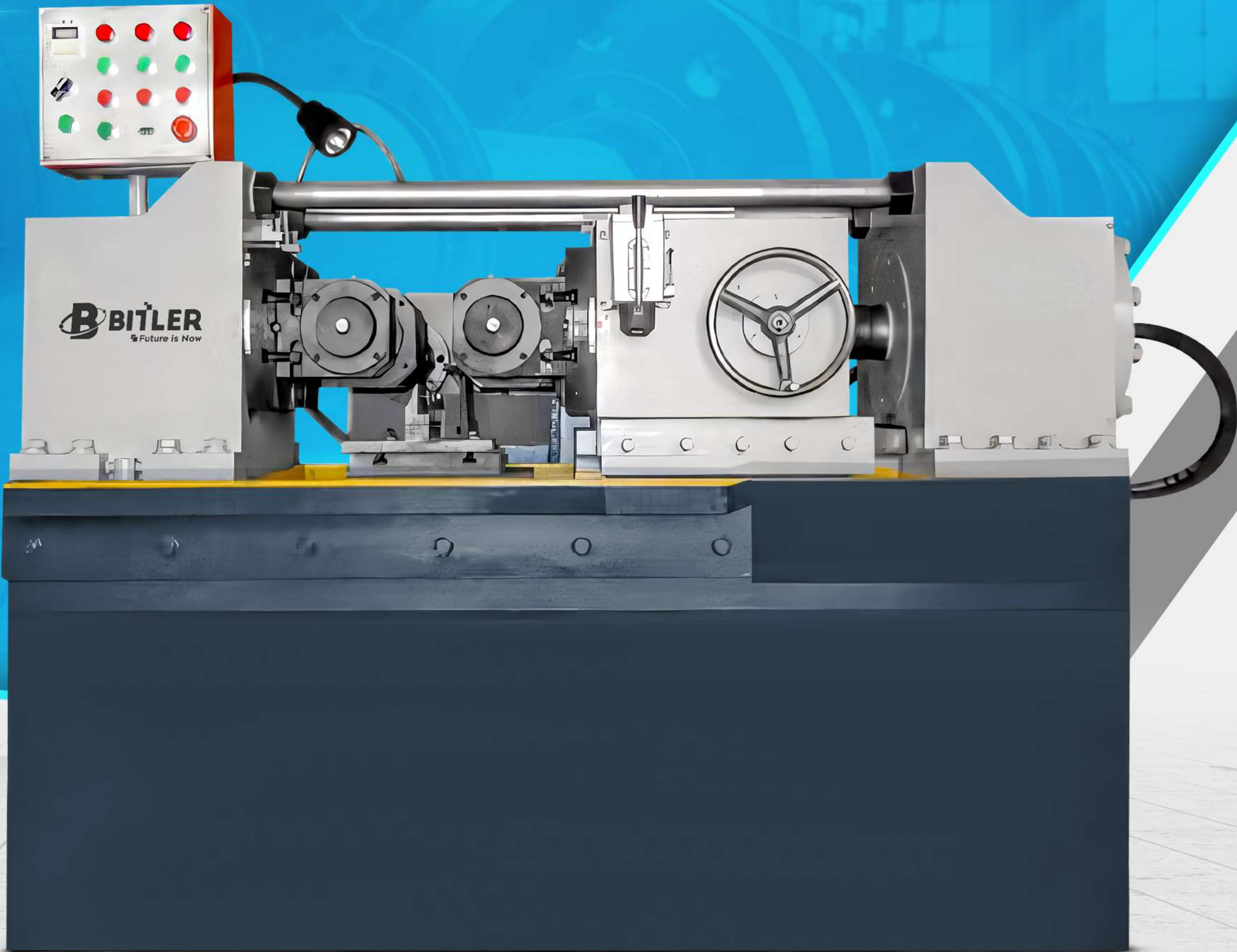
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ80
	Thread Pitch	8mm
Spindle Angle		±10°
Maximum Rolling Pressure		315kn
Spindle RPM		22/28/35/45/56/70rpm
Thread Rolling Wheel Range	Diameter	Φ220mm
	Aperture	Φ75mm
	Maximum Width	160mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		11kw/6 levels
Hydraulic Transmission Power		5.5kw
Physical Size		1950x1700x1550mm
Machine Weight		2800kg

THREAD ROLLING MACHINE

TYPE BTR28-280

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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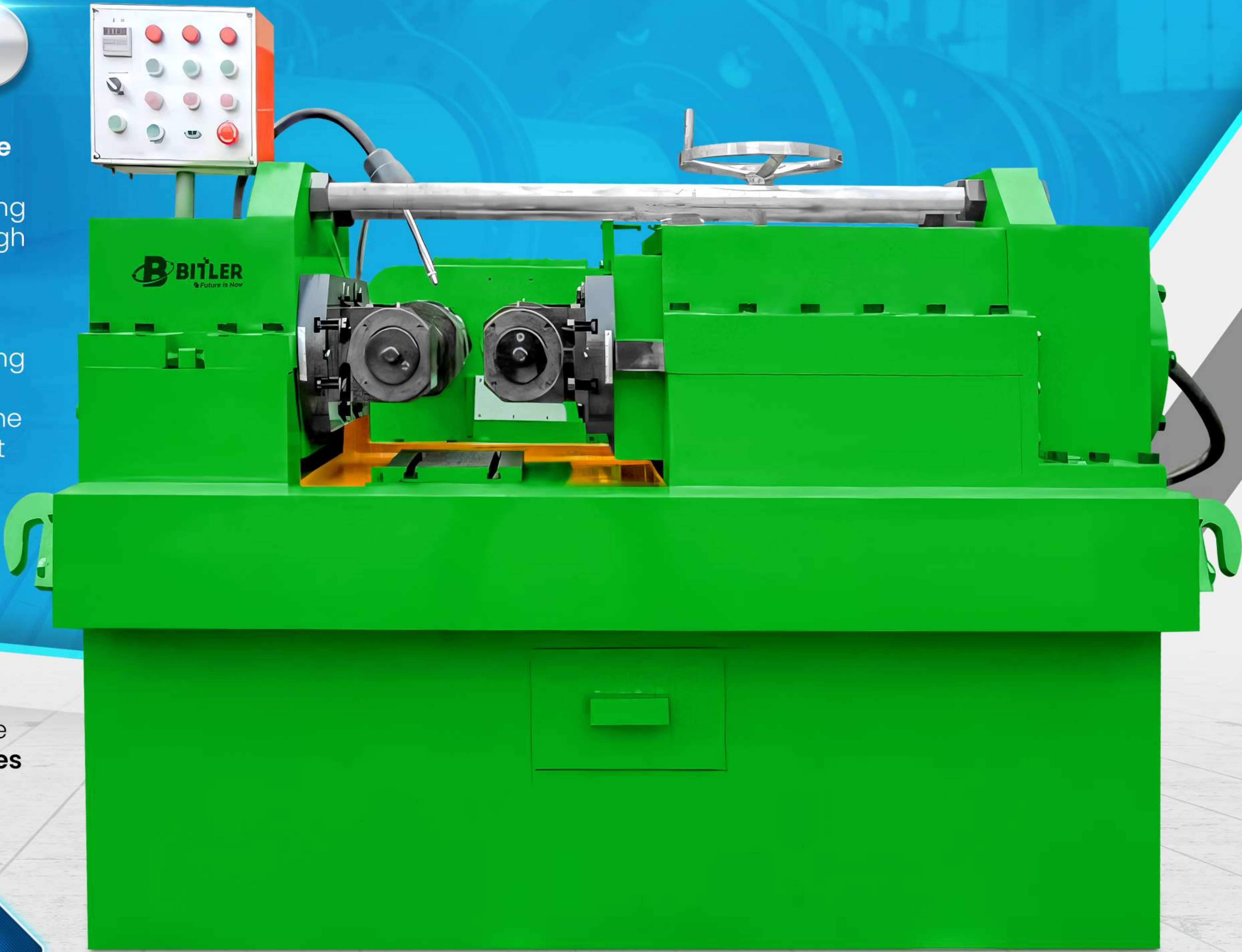
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ100mm
	Thread Pitch	8mm
Spindle Angle		±10°
Maximum Rolling Pressure		400kn
Spindle RPM		Exchange Gear8/14/21/33rpm
Thread Rolling Wheel Range	Diameter	Φ220mm
	Aperture	Φ75mm
	Maximum Width	160mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		15kw
Hydraulic Transmission Power		7.5kw
Physical Size		2100x1750x1550mm
Machine Weight		3300kg

THREAD ROLLING MACHINE

TYPE BTR28-360

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



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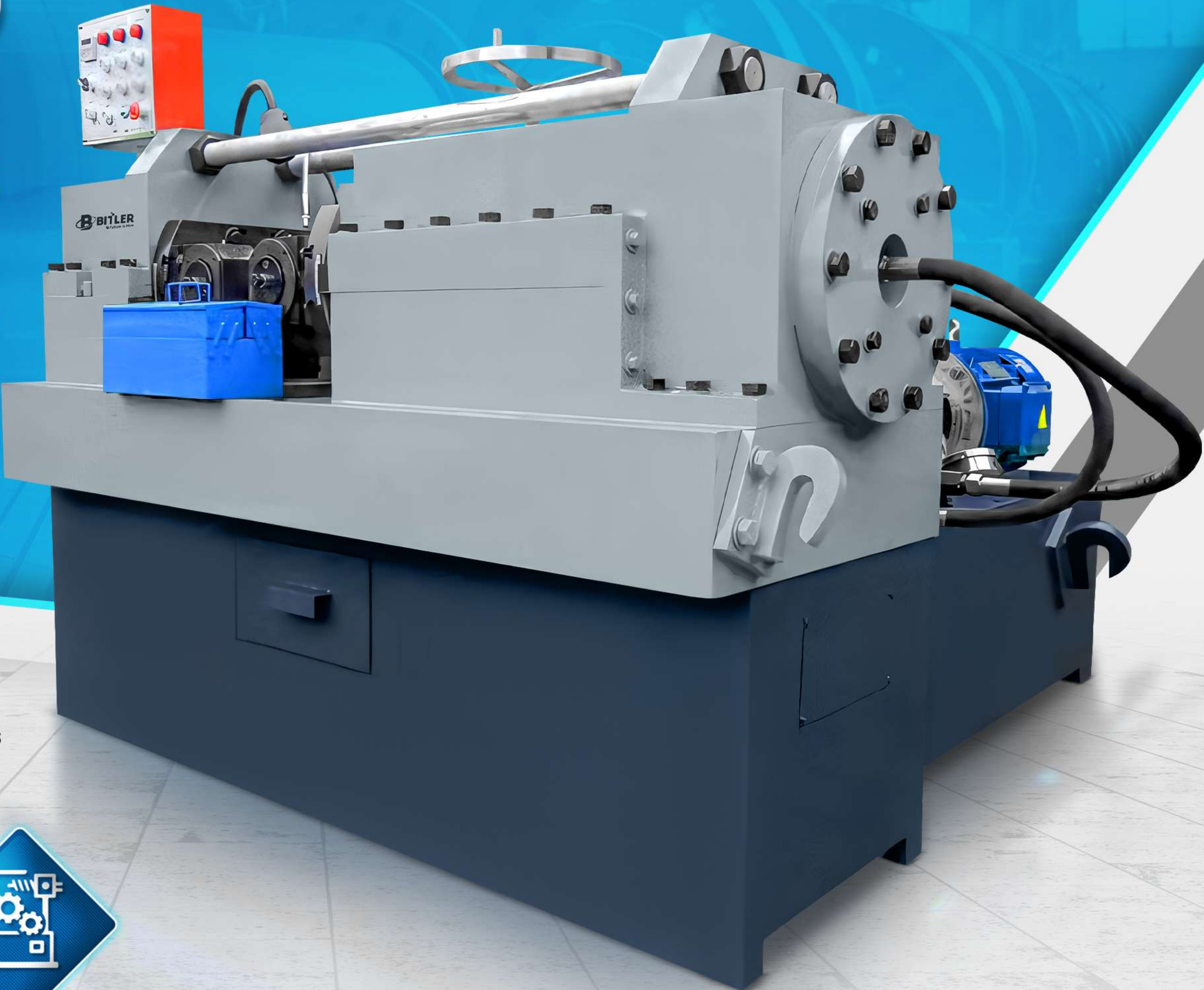
SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ100mm
	Thread Pitch	10mm
Spindle Angle		±10°
Maximum Rolling Pressure		450kn
Spindle RPM		Continuously Variable Speed
Thread Rolling Wheel Range	Diameter	Φ230mm
	Aperture	Φ75/85mm
	Maximum Width	200mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		15kw
Hydraulic Transmission Power		11kw
Physical Size		2150x1850x1550mm
Machine Weight		3600kg

THREAD ROLLING MACHINE

TYPE BTR28-500

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.



Adjustable
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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ100mm
	Thread Pitch	12mm
Spindle Angle		±10°
Maximum Rolling Pressure		520kn
Spindle RPM		Continuously Variable Speed
Thread Rolling Wheel Range	Diameter	Φ230mm
	Aperture	Φ75/85mm
	Maximum Width	200mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		15kw
Hydraulic Transmission Power		11kw
Physical Size		2200x2350x1650mm
Machine Weight		5200kg

THREAD ROLLING MACHINE

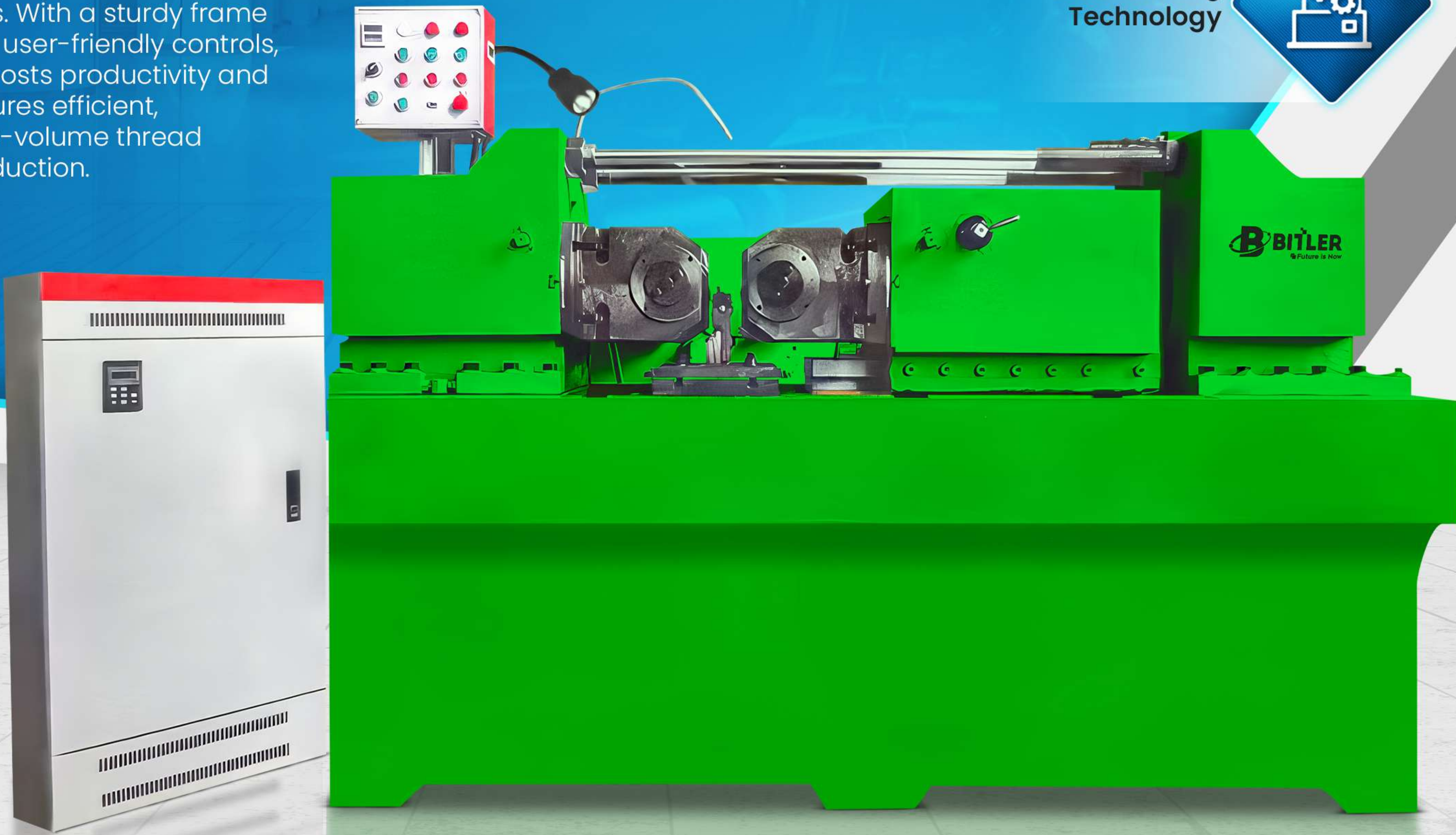
TYPE BTR28-650/800

The Thread Rolling Machine forms precise external threads through cold forming without cutting, ensuring high strength and consistency. Ideal for automotive, construction, and industrial use, it features durable rolling dies and supports various rod sizes. With a sturdy frame and user-friendly controls, it boosts productivity and ensures efficient, high-volume thread production.

Adjustable Rolling Dies



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SPECIFICATION

Items		Type 650 Parameters	Type 800 Parameters
Thread Rolling Thread Range	Diameter	Φ120mm	Φ120mm
	Thread Pitch	12mm	12mm
Spindle Angle		±10°	±10°
Maximum Rolling Pressure		650kn	800kn
Spindle RPM		Continuously variable speed	Continuously variable speed
Thread Rolling Wheel Range	Diameter	Φ310mm	Φ320mm
	Aperture	Φ75/100mm	Φ100mm
	Maximum Width	260mm	260mm
Rolling Time		0.1-99.9s	0.1-99.9s
Pause Time		0.1-99.9s	0.1-99.9s
Spindle Drive Power		18.5kw	30kw
Hydraulic Transmission Power		11kw	18.5kw
Physical Size		2300x2400x1700mm	2550x2650x1750mm
Machine Weight		6000kg	7600kg

THREAD ROLLING MACHINE

BTRP

THREE AXIS SERIES

Three Axis Thread Rolling Machine offers superior threading precision with enhanced flexibility. Its three synchronized axes ensure complex threading tasks are handled efficiently, ideal for high-demand industrial production environments.

THREAD ROLLING MACHINE

TYPE BTRP28-40

The **Three Axis Wire Rolling Machine** is engineered for high-precision forming of threads and profiles on metal wires. Utilizing three synchronized rollers, it ensures uniform pressure from all sides, resulting in consistent, high-quality output. Suitable for various wire materials and diameters, this machine offers stable performance, easy operation, and enhanced efficiency-making it an ideal choice for mass production in industrial applications.



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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ50mm
	Thread Pitch	6mm
Spindle Angle		±5°
Maximum Rolling Pressure		120kn
Spindle RPM		Continuously Variable Speed
Thread Rolling Wheel Range	Diameter	Φ65-140mm
	Aperture	Φ35/45mm
	Maximum Width	100mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		4.0kw
Hydraulic Transmission Power		1.5kw
Physical Size		1400x1400x1500mm
Machine Weight		1350kg

THREAD ROLLING MACHINE

TYPE BTRP28-65

The Three Axis Wire Rolling Machine is engineered for high-precision forming of threads and profiles on metal wires. Utilizing three synchronized rollers, it ensures uniform pressure from all sides, resulting in consistent, high-quality output. Suitable for various wire materials and diameters, this machine offers stable performance, easy operation, and enhanced efficiency-making it an ideal choice for mass production in industrial applications.



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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ90mm
	Thread Pitch	8mm
Spindle Angle		±6°
Maximum Rolling Pressure		250kn
Spindle RPM		22/28/35/45/56/70rpm
Thread Rolling Wheel Range	Diameter	Φ180mm
	Aperture	Φ54mm
	Maximum Width	100mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		11kw
Hydraulic Transmission Power		3.0kw
Physical Size		1800x2200x1800mm
Machine Weight		3500kg

THREAD ROLLING MACHINE

TYPE BTRP28-100

The Three Axis Wire Rolling Machine is engineered for high-precision forming of threads and profiles on metal wires. Utilizing three synchronized rollers, it ensures uniform pressure from all sides, resulting in consistent, high-quality output. Suitable for various wire materials and diameters, this machine offers stable performance, easy operation, and enhanced efficiency-making it an ideal choice for mass production in industrial applications.



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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ100mm
	Thread Pitch	10mm
Spindle Angle		450kn
Spindle RPM		Continuously variable speed
Thread Rolling Wheel Range	Diameter	Φ220mm
	Aperture	Φ75mm
	Maximum Width	150mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		15kw
Hydraulic Transmission Power		5.5kw
Physical Size		2200x1850x210mm
Machine Weight		4800kg

THREAD ROLLING MACHINE

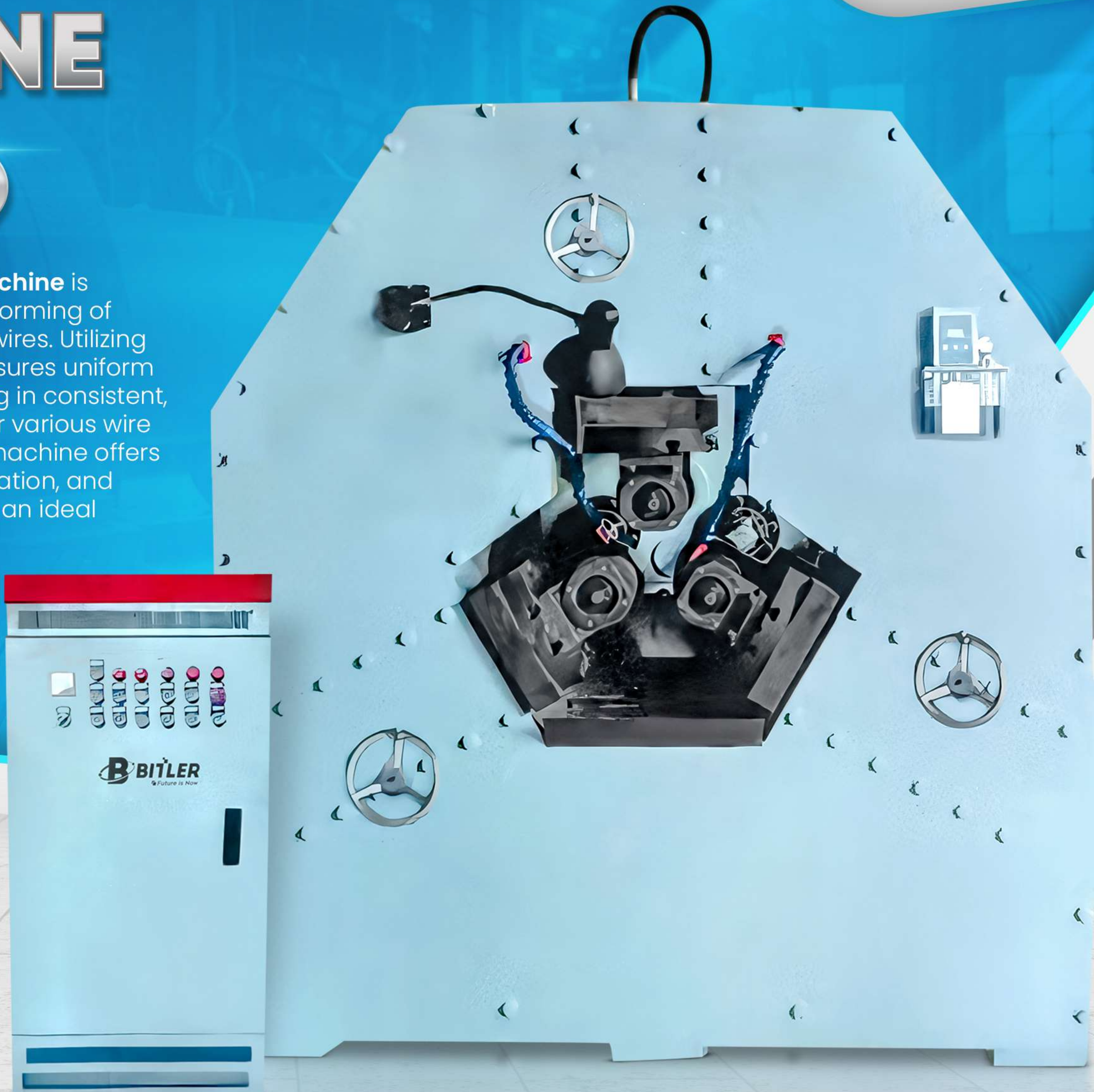
TYPE BTRP28-100

The **Three Axis Wire Rolling Machine** is engineered for high-precision forming of threads and profiles on metal wires. Utilizing three synchronized rollers, it ensures uniform pressure from all sides, resulting in consistent, high-quality output. Suitable for various wire materials and diameters, this machine offers stable performance, easy operation, and enhanced efficiency—making it an ideal choice for mass production in industrial applications.



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SPECIFICATION

Items		Parameters
Thread Rolling Thread Range	Diameter	Φ35-120mm
	Thread Pitch	12mm
Spindle Angle		±10°
Maximum Rolling Pressure		600kn
Spindle RPM		Continuously Variable Speed
Thread Rolling Wheel Range	Diameter	Φ160-220mm
	Aperture	Φ75/100mm
	Maximum Width	160mm
Rolling Time		0.1-99.9s
Pause Time		0.1-99.9s
Spindle Drive Power		15kw
Hydraulic Transmission Power		7.5kw
Physical Size		2400x1950x2100mm
Machine Weight		5600kg



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