REBAR ROLL THREAD MACHINE

High-Performance Mechanical Rebar Splicing Solutions



Rebar Roll Thread Machine

Surya Engineering is a trusted manufacturer and supplier of high-performance Rebar Roll Thread Machines in India, designed for producing precision parallel threads on reinforcement bars used in mechanical rebar coupler systems. Manufactured using robust engineering standards and precision thread rolling technology, our machines deliver consistent thread quality, higher productivity, reduced material wastage, and superior coupler compatibility.

KEY ADVANTAGES

STRONGER THREADS

Thread rolling forms threads without cutting steel fibers, resulting in stronger profiles and better tensile performance.

MAINTAINS INTEGRITY

The cold forming process preserves the natural grain structure, ensuring better fatigue resistance and structural performance.

MATERIAL EFFICIENCY

Optimizes steel utilization with zero material removal during thread formation, significantly reducing project waste.

MACHINE OVERVIEW & DETAILS

Rebar Roll Thread Machine – Alternate View



Product Name	**Rebar Roll Thread Machine**
Machine Type	Rebar Thread Rolling Machine
Bar Diameter Range	**16mm to 40mm**
Thread Type	Parallel Rolled Thread
Operation Mode	Semi-Automatic
Rolling Die Material	Hardened Alloy Steel
Machine Structure	Heavy-Duty Fabricated Steel
Power Source	Electric Motor
Primary Application	Rebar Coupler Threading

THREAD ROLLING VS. THREAD CUTTING

Parameter	Thread Rolling (Our Machine)	Standard Thread Cutting
Process	Cold Forming	Material Removal
Thread Strength	**Higher**	Lower
Fatigue Resistance	High	Moderate
Material Waste	Minimal	Higher
Coupler Fitment	Superior	Standard
Long-Term Durability	Higher	Moderate

TESTING & QUALITY CONTROL

Go / No-Go Gauge Test	Verifies thread accuracy and ensures perfect coupler compatibility. Essential for reducing installation failures.
Thread Profile Inspection	Checks thread depth, pitch, and geometry against standardized requirements.
Dimensional Accuracy Test	Verifies compliance with specified manufacturing tolerances (IS 1 61 72:2023, ISO 1 5835).
Coupler Fitment Test	Confirms proper mechanical engagement between the coupler and the threaded rebar.

CONTACT US FOR BULK INQUIRIES

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