



# BLM-3000

The only machine in the world capable of producing **two different types of barbed wire.**

● Model: BLM-3000

High Tensile Reverse Twist

lowa-style (Continuous Twist)

Up to 400 BPM

Up to 1 mile roll

ENQUIRIES

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## Design Offers

The BLM-3000 Series BARB LOKK MACHINE is engineered for exceptional versatility and efficiency in barbed wire manufacturing. The following design advantages are built into every machine.

### MAINTENANCE

- Barbing system requires fewer parts and less complexity
- Quick change components for ease of maintenance and rapid replacement of wearable parts
- Rockwell AB Automation and hardware used throughout
- Reporting module integrates status and live alarms. Historical production data, fault history, and shift metrics can be displayed across custom time ranges
- Electronic parts and user manual on HMI display including 3D models

### OPERATOR

- Integrated PLC Machine Safety with light curtains, laser scanner, and magnetic RFID guard sensing
- HMI interface for operation and Machine set-up
- Individual axis control
- Machine sits on feet allowing all-round access for cleaning and machine inspections

### ENVIRONMENTAL

- Machine flexibility means a smaller factory footprint, with fewer cables required to produce two styles of barbed wire
- Lower noise dB levels in the factory

### ECONOMIC

- Barb Wire production up to 400 BPM (Barbs per minute)
- Roll length up to 1 mile
- Modular design requires less time to install and commission
- Ease of movement with forklift pockets

# Machine Specifications

The BLM-3000 seamlessly produces both Reverse Twist and Continuous Twist knots. Where specifications differ between twist types, both values are shown below.



Specification	Continuous Twist	Reverse Twist
Machine Model	BLM-3000	
Control System	PLC Automation	
Site Power	Voltage: 380–480 VAC 3 Phase 30 KW / Current 45-55 amps	
Site Air	Min. 6 bar – 30 ltr/min	
Maximum Roll Length	1 Mile / 1600 Meters	
Minimum Roll Length	150 feet / 50 metres	
Barb Pitch/Spacing	3" 4" 5" 6" inches	
Line Wire Gauge	12.5 – 14	14 – 15.5
Barb Wire Gauge	12.5 – 14	14 – 15.5
Production Speeds Beats Per Minute (Maximum Possible)	400 Barbs Per Minute	400 Barbs Per Minute
Maximum Roll Diameter	600mm (23.6")	
Maximum Roll Weight	300Kg (661lbs)	

Specifications can change upon request.

# Machine Options

The BLM-3000 can be configured with a range of optional features to suit specific production requirements. Contact us for pricing and availability.

Machine Model	BLM-3000
Automated Pitch Control	✓
Automated Roll Handling	✓
Infeed/Outfeed Conveyors	✓
Vision Inspection	Individual Barb
Customisable Backframe Layout	✓
Customisable Guarding	✓
Upstream/Downstream Robot Palletising	✓
Custom Spool Type	Size and material

For further details and pricing on any of the options above, please contact:  
**admin@umcinnovation.com**  
 www.umcinnovation.com

