



**Gorman Machine Corp.**  
7 Burke Drive  
Brockton, MA 02301  
Tel. 508-588-2900  
Fax 508-588-9560

[www.gormanmachine.com](http://www.gormanmachine.com)  
[sales@gormanmachine.com](mailto:sales@gormanmachine.com)

## GORMAN STAR WINDING MACHINE



THE STAR WINDER IS OUR LATEST AND MOST VERSATILE BOBBIN WINDER FROM GORMAN MACHINE CORP. IT IS BUILT ON THE CHASSIS OF THE PROVEN BOBBINEER WINDER. ALL THE INTERNAL WORKINGS ARE CHANGED ALONG WITH THE ELECTRONIC CNC CONTROLLER WHICH STORES THE PROGRAMS ENTERED FOR UP TO 1000 DIFFERENT PROGRAMS AND CAN BE CALLED UP SEPARATELY OR IN GROUPS AT ANY TIME.





## **THE GORMAN STAR WINDING MACHINE**

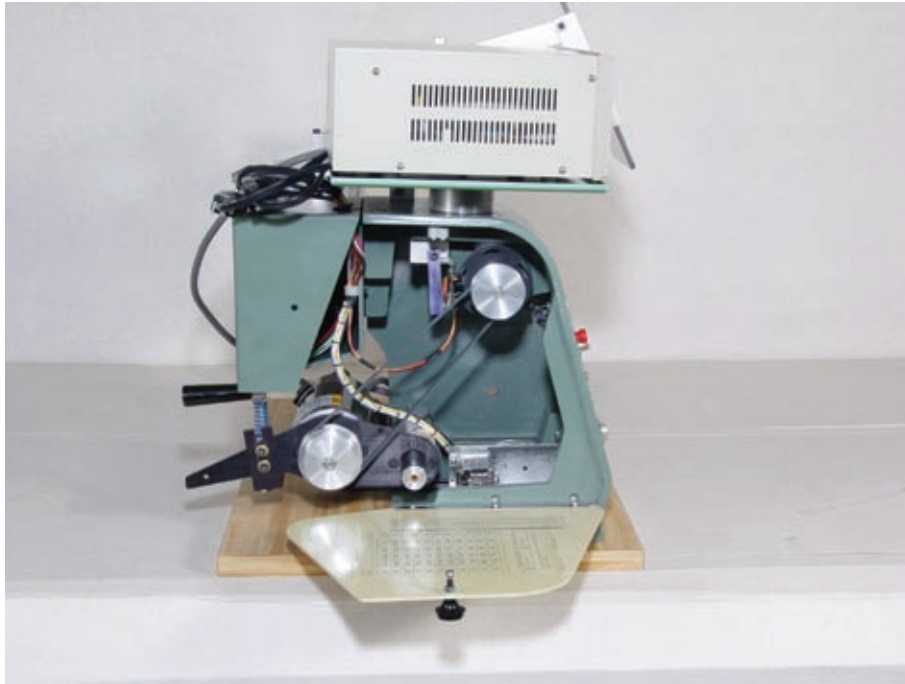
THE MACHINE IS DRIVEN BY A POWERFUL  $\frac{3}{4}$  HP DC MOTOR THROUGH FOUR DIFFERENT SPEED TORQUE RANGES. THE HIGHEST SPEED RANGE GIVES A SPINDLE SPEED OF UP TO 10,000 RPM. THE LOWEST SPEED RANGE HAS ONE FIFTH THE TOP SPEED, BUT WITH 5 TIMES THE SPINDLE TORQUE FOR WIRES AS HEAVY AS 12 AWG (.08 INCHES OR 2MM), UP TO THE FINEST. THE WINDING PROGRAM FOR A COMPLETE COIL OF SEVERAL WINDINGS IS STORED IN SEVERAL DIFFERENT STEPS OR LEVELS. EACH LEVEL WOULD HAVE A STARTING POSITION, A BOBBIN WIDTH AND A WINDING PITCH PER TURN AND TOTAL NUMBER OF TURNS. TWO DIFFERENT POWER SETTINGS UP TO 99, DETERMINE LOW SPEED AND HIGH SPEED WINDINGS. WINDING DIRECTION FROM THE START POSITION CAN BE PROGRAMMED TO THE RIGHT OR TO THE LEFT. IF AN AUTO START IS WANTED FOR THE NEXT WINDING, PRESS AUTO START BUTTON AT THIS LEVEL AND THE WINDING WILL START UP IMMEDIATELY AT THE START OF THE NEXT LEVEL OR STEPS. IF A WINDING PROGRAM WITH A PITCH AND RPM COMBINATION WHICH EXCEEDS THE MACHINE LIMITS IS ENTERED, THERE IS A SIMPLE FORMULA IN THE MANUAL, WHICH GIVES THE OPERATOR CORRECTIVE PROCEDURES. ELECTRONIC CONTROLLED TRAVERSE WITH A STEPPING MOTOR DRIVE FOR PRECISION WINDING.

WE SUPPLY OUR OWN OPERATORS MANUAL FOR THE ELECTONIC CNC CONTROLLER ALONG WITH THE MANUFACTURERS.

**WE AT GORMAN MACHINE KNOW YOU WILL APPRECIATE THE DURABILITY, CONSTRUCTION AND PROFITABILITY OF THIS FINE MACHINE AT AN AFFORDABLE PRICE.**



**G G G G G G O R M A N G G G G G**



### **FEATURES**

ENTIRE WINDING PROGRAM ENTERED INTO COMPUTER IN A SIMPLE MANNER

PROGRAMS INCLUDE TURNS, WIRE PITCH AND WINDING SPEED WITH SLOW START AND FINISH

4 QUICKLY CHANGED SPEED TORQUE RANGES UP TO 10,000 RPM FOR WIDE RANGE OF WIRE SIZES AND TORQUE REQUIREMENTS

DIFFERENT COIL INSTRUCTIONS CAN BE STORED IN COMPUTER MEMORY AND QUICKLY CALLED UP BY OPERATOR

ELECTRONIC CONTROLLED TRAVERSE WITH STEPPING MOTOR DRIVE

MOST FEATURES INCLUDED AS STANDARD EQUIPMENT AT REMARKABLY LOW COST

FOOT SWITCH STANDARD

ELECTRIC BRAKE STANDARD

SIMPLIFIED OPERATOR INSTRUCTION

MANUAL FOR STEP-BY-STEP PROCEDURES

PC COMPATIBLE

QUIET RUNNING

ALL U.S.A. MADE FOR QUICK PARTS ACCESS

**G G G G G G G G G G G G O R M A N G G G G G**



## GENERAL SPECIFICATIONS

WIRE SIZES (PITCH):	12 AWG (2MM) TO THE FINEST
BOBBIN DIAMETER, MAXIMUM:	CLEARANCE RADIUS OF UP TO 5" OR 125MM
MAXIMUM TRAVERSE LENGTH:	ZERO TO 5 3/8 (133MM)
SPINDLE END TO CLOSED TAIL STOCK:	12" WITH STANDARD 31" BARS, CAN BE EXTENDED
TAILSTOCK:	RUGGED BALL BEARING TAILSTOCK WITH CHANGEABLE OF 2 OR 3 INCHES CLOSING DISTANCE
WINDING SPEEDS:	4 DRIVING BELT COMBINATIONS WITH SPEEDS TO 10,000 RPM
MOTOR:	SCR CONTROLLED 3/4 HP PERMANENT MAGNET DC MOTOR.
MOTOR START:	PUSH BUTTON ON PANEL, OR FOOT PEDAL START AND STOP
COUNTER:	CNC CONTROLLER WITH MULTI PRESET
BRAKING:	ELECTRIC OR DYNAMIC BRAKING FOR ACCURATE STOPPING
STOPPING ACCURACY:	REPEATABILITY OF 1/10TH OF ONE TURN
EMERGENCY STOP:	BUTTON ON PANEL, OR BY FOOT PEDAL RELEASE
SAFETY FEATURES:	ADJUSTABLE EYE SHIELD FOR OPERATOR SAFETY
TRAVERSE SPEED:	MOTION FROM .0004" TO .100" PER SPINDLE REVOLUTION
TRAVERSE MOTION:	PRECISION CIRCULATING BALL BEARING NUT AND SCREW DRIVE
POWER SUPPLY:	CHOICE OF 115 OR 230 VAC 50 OR 60 CYCLE
DIMENSIONS:	20" DEEP - 35" WIDE - 19" HIGH WITHOUT DEREELER
BENCH WEIGHT:	110 POUNDS
SHIPPING WEIGHT:	160 POUNDS

