

■ The purpose of the loop winder is to make loops (race track and trapezoidal) having a total inside dimension up to 131" (3 325 mm). The capacity of the machine can be increased up to 157" (4 000 mm) by adding extensions on the winding bar.

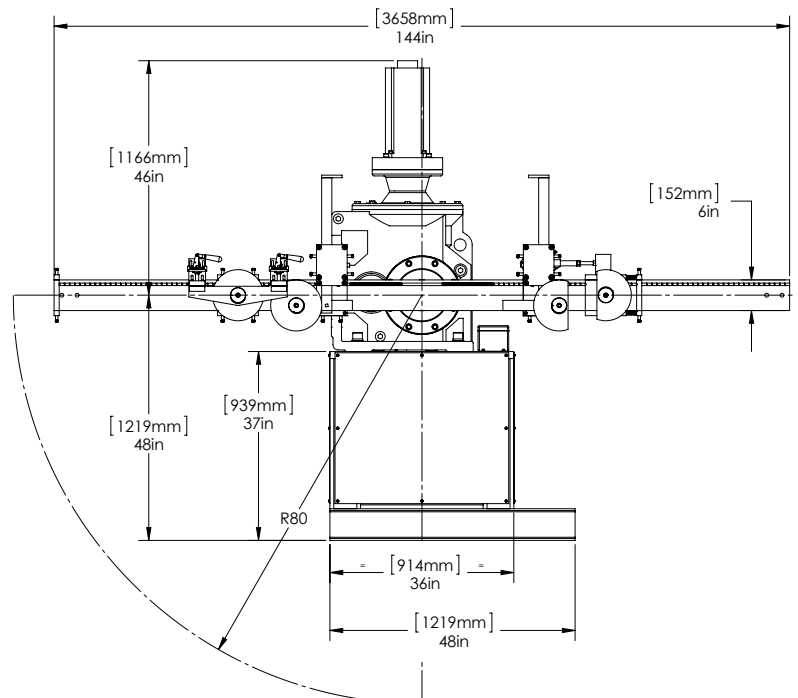
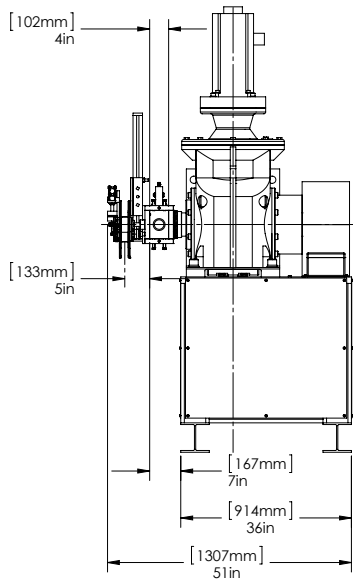
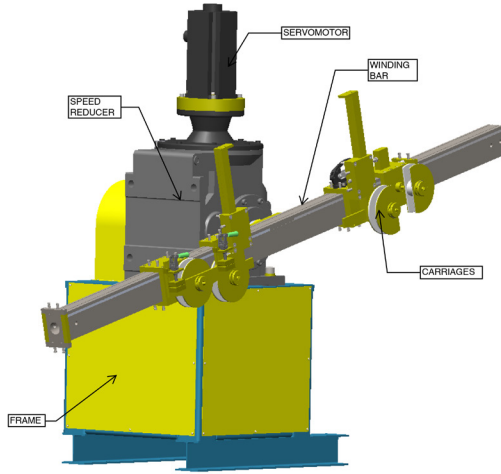
The LW-4000 is a heavy-duty machine equipped with a servo motor mounted on a large speed reducer to turn the winding bar. The beam itself is powered with a 20 HP servo motor and ratio 150:1 helical bevel gear reducer. The maximal speed of the bar is 15 RPM.

When the winding bar is not turning, it is immobilized with two pneumatic disk brakes to avoid vibrations. The angular position of the bar is known by means of the encoder installed on the servomotor. The zero position (horizontal position) is detected with a photoelectric sensor. The winding bar is equipped with carriages that can be positioned anywhere along the arm: eye pin and trapezoidal pin carriages.

There are 2 models of eye pin carriage: one left carriage with clamps and one right carriage with a system to loosen the loop. The left carriage is the starting point of the coil where the lead is attached.

The trapezoidal pin carriages allow forming a trapezoid flat coil using a deviating pin on each carriage.





TECHNICAL DATA

Machine data

Height:	94" (2 388 mm)
Depth:	51" (1 307 mm)
Width:	48" (1 219 mm)
Working height:	48" (1 219 mm)
Winding bar length:	144" (3 658 mm)
Extended winding bar length:	172" (4 370 mm)
Weight:	5 000 lb (2 275 kg)
Supply voltage:	480 V / 60 Hz / 3 Ph
Servomotor power:	20 HP (15 kW)
Power consumption:	20 A
Air pressure:	80 PSI (5.5 bar)
Air consumption:	0.5 SCFM
Reducer ratio:	150/1
Max. rot. speed of winding bar	15 RPM
Max. output torque	13 275 lbf.ft (18 000 N.m)
Rated output torque:	8 500 lbf.ft (11 500 N.m)

Loops:

Max. eye pin distance:	131" (3 327 mm)
Ext. max. eye pin distance:	157" (4 000 mm)