Automatic Coil Winder (80"")

**Dimensions**
135" length x 35" width x 38" height

**Power requirements**
220 VAC 20Amp Single Phase 50/60Hz

**Pneumatic requirements**
80 psi @ 5.0 cfm for models without hot air torch

**Motor type and size**
60 mm brushless servo, 80 mm brushless servo for carriage

**Winding speed max**
6000 rpm

**Drive amp size**
400 watt, 750 watt

**Controller type**
PCI-2 CNC multi-axis servo controller

**Interface**
17" touch screen monitor and track ball keyboard

**Wire tensioning**
Electronic (range of sizes available)

**Arbor tensioning**
Pneumatic (on tail stock)

**Chuck size/type**
1/8" Albrecht tailstock, custom collets for spindle

**Coil cutter**
Pneumatic with side cutting blades

**Manual jog controller**
Pendant with joy stick operation all axis

**Computer Operating System**
Microsoft Windows XP

**Hot air torch**
1200° Fahrenheit maximum

**Available Options:**
- Electronic spool brakes
  (3 oz-in, 11 oz-in, 35 oz-in, 85 oz-in, 140 oz-in)
- Pneumatic arbor tension (20 lbs, 85 lbs, 130 lbs)
- Electronic arbor tension with force feedback
  (0–10 lbs, 0–25 lbs, 0–50 lbs)
- Arbor dampers (flat faced contact and roller style)
- Heavy-duty wheels with leveling feet
- Multi-Filar spool racks
- Payout angle compensator (with or without protractor)
- Safety light curtain and/or safety covers
- On-site training

Manual Coil Winder

**Dimensions**
129" length x 26" width x 36" height

**Weight**
600 lbs (approximately)

**Power requirements**
208-240VAC single phase 50/60Hz 20amp

**Pneumatic requirements**
80 psi

**Motors/Drives**
Yaskawa servo motors, Yaskawa Sigma V drives

**Chuck type/size**
3-Jaw precision
(sizes available: 0"–0.125"; 0"–0.250"; 0"–0.375"; 0"

**Pitch range**
0" to 1" with 0.0001" resolution

**Arbor sizes**
0.001" to 0.500" (maximum diameter depends on chuck size)

**Wire Sizes**
0.0005" to 0.025" (tensioning system will vary depending on wire size)

**Winding Length**
102" chuck to chuck

**Wire diameter compensation/back angle control**
maximum controlled back angle -25°

**Wire tensioning**
- Electronic shaft brake with five torque ranges: 0–3 oz.-in; 0–11 oz.-in; 0–35 oz.-in; 0–85 oz.-in; 0–140 oz.-in
- Driven spool with closed loop control: 10 grams minimum; 2500 grams maximum (requires range selection)

**Arbor tensioning**
- Pneumatic (three sizes): 20 lbs.; 85 lbs.; 130 lbs.
- Force feedback closed loop control: 0–10 lbs.; 0–25 lbs.; 0–50 lbs.

**Controls**
Computer with Windows XP embedded.
PCI-2 fully synchronized servo

**Interface**
17" touch screen monitor and track ball keyboard

**Software**
RothGreaves EasyWind™ multi-segment multi-pitch recipe software

**Hot air torch**
1000° Fahrenheit maximum

**Safety guarding**
Light curtain with three sides guarded

for more information call 952-404-2604
or go to info@rothgreaves.com