Early Mechanization

Early Fletcher Roof Bolters

Model DA - Trike Featuring Integral Dust Collection System
Multiple Drill Positions from Single Chassis Location
Low Seam CHDDR
Machine Height:
   63” Over Covers
   73” Over ATRS
Machine Length:
   15’9” Bumper to Drill
   20’ Overall
Machine Width 11’
Machine Weight 76,000 LB.

Center Walkway With Ample Material Storage

12’ ATRS Allowing 4’ or 5’ Bolt Pattern
Dual T-Style ATRS’ Rigidly Clamp the Roof Reference Mast to the Mine Top
Flexible Cable to Push Resin Into Drilled Hole

Counter Bore Cutter Creates a Funnel in the Mine Top to Accept the Resin Delivery Tube
Main Drilling Controls Station

Feed and Rotation Manual Joysticks

Tape Switch

Run / Enable Button
• 75 HP Electric Motor
• Dual Variable Volume, Load Sense, HP Controlled Pumps
• Mounted on a 150 Gallon Hydraulic Tank

• 15 HP, 3,600 RPM Motor
• Dual Blower / Motor
• Cycled Automatically
• Auto Dump Pre - Cleaners
The Bolt Up Program Will Accommodate Three Sets of Resin Parameters
Diagnostics

General Information Screen
Feed Rate and Pressure Rotation Pressure and RPM

Feed Rate Screen
Allows the Manual Selection of Feedback Curves

Drill Setup Screen
Allows Changes in Set Points i.e. Position Where Arm Swings

Solenoid Calibration Screen
Aids in Adjusting the Deadband on Proportional Solenoids

Solenoid Test Screen
Allows Maintenance to Fire All Solenoids On Machine

Fault Screen
Displays Reason Feed Stops i.e. Limit Switch Is Not Made
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The diagram shows a graph titled "Data Table File N57:0" with "Thu Jul 9, 1998" as the date on the top right corner.
Hand Held Resin Inserter
Roof Ranger II
With Offset Booms
and Joystick Control
J. H. Fletcher & Co.
Dedicated to Continuous Product Improvement