

DUKANE

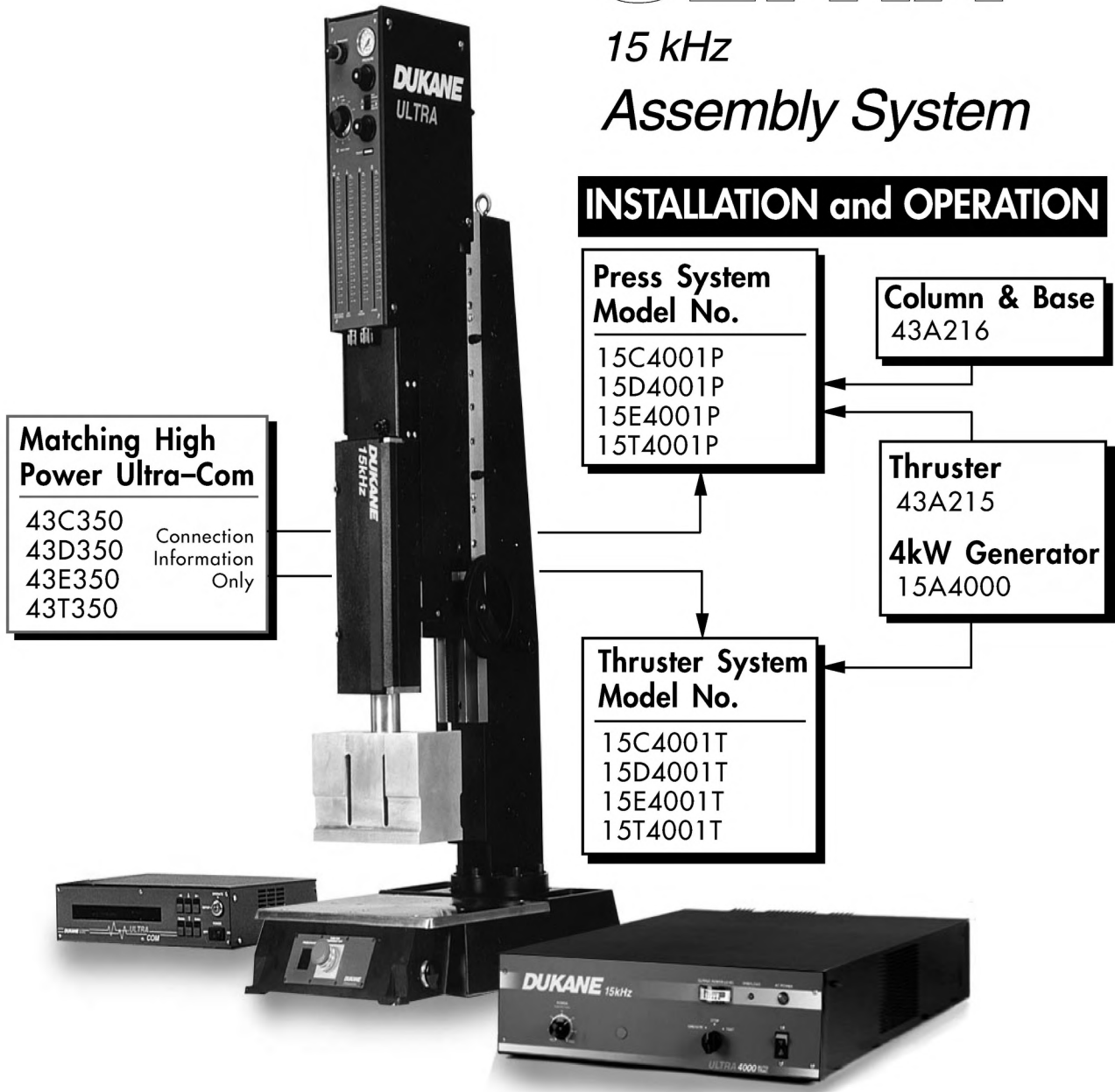
Ultrasonics

ULTRA

15 kHz

Assembly System

INSTALLATION and OPERATION



User's Manual

Dukane Part No. 403-542-00.1



www.dukcorp.com

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ISO 9001 Dukane products are manufactured in ISO registered facilities

Key Features of the Press/Thruster

- **Ultra-rigid Square Support Column** with rack and pinion height adjustment and up to 10° of radial alignment capability.
- **Heavy Duty Precision Slide** assembly with 1" (25.4 mm) diameter steel rods and sealed Thomson ball bushings preloaded for reliable, frictionless operation.
- **Height Adjustment Handwheel** is supplied, and it can be specified for mounting on either side of the press.
- **Gas Strut** counterbalance for easy height adjustment.
- **Stroke of 6.75"** (171 mm) with mechanical bottom stop adjustable in .001" (.025 mm) increments.
- **Dual Pressure** allows for an increased clamp force improving melt during the weld cycle, or greater pressure in the Hold portion of the cycle to strengthen the weld.
- **Calibrated Dynamic Trigger** system with LED indicator starts the ultrasonic signal at a precise, user-selectable force.
- **Pre-trigger and End-of-Weld** (lower) limit switches are standard and adjustable in .001" (.025 mm) increments.
- **Top-of-Stroke** limit switch for automated applications.
- **Ergonomic Base** and cycle activation switches reduce operator fatigue; optional opti-touch cycle activation switches are available.
- **Status Indicators** in base for POWER, IN CYCLE, and ABORT clearly communicate system operating status.
- **Twist Release EMERGENCY OFF** switch on the press base meets international safety standards.
- **Advanced Programmer** keyboard and monitor provide an option for more efficient programming.