

Model 5000P Plus Heat Sealer for UDI Compliance



Urania Engineering has been supplying manufacturers and suppliers with pre-formed pouch sealing and packaging systems for over 25 years. Our equipment is ideally suited for medical device and pharmaceutical packaging. Other common applications include food and dry bulk products. We invite you to take advantage of our extensive technical experience in these fields. Whatever the scope of your unique requirements, Urania equipment will assure predictable and cost effective results.

In compliance with the new UDI mandate for medical devices, our **Model 5000P Plus** system introduces **GS1 Datamatrix** printing and a **Keyence 2D Code Reader** to our existing **Allen Bradley** controlled rotary band heat sealer. A large 12" color touchscreen HMI monitors and informs the user of all phases of operation. As with previous versions, the **Model 5000P Plus** is fully validatable with respect to speed, temperature, *and* force. Urania utilizes a real-time monitoring system for all three of these crucial sealing parameters.

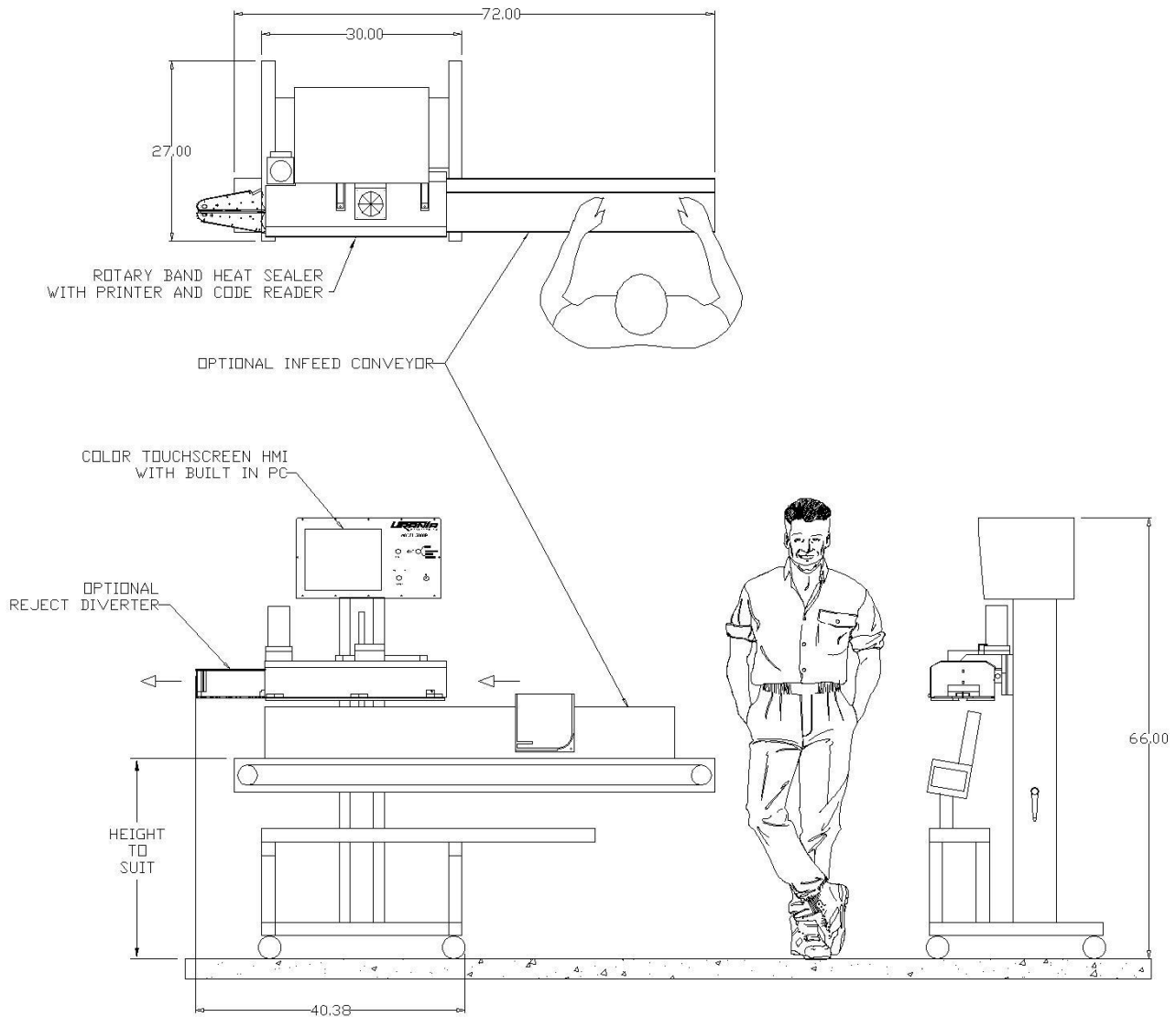
The operator imports the current lot information and sealing parameters to the **Model 5000P Plus** using a simple scan. The UDI printing and verification system then prints the GS1 code on the pouch, and verifies the information... *as part of the sealing process!* Any rejected pouches are automatically diverted after exiting the system, and all information is logged through the HMI and its accompanying PC. The print head uses a disposable HP style cartridge and the ink dries instantly to the touch, even on poly materials.

An alarm and error history with time/date stamp is standard. The alarm/error information may be downloaded to a customer supplied printer, compact flash, or through an Ethernet connection. Alarms for belt speed errors, force limits, and temperature variations ensure proper operation and immediate notification in the event of a problem.

Various options are available such as conveyors and infeed devices, pouch trimming, and gas flush or nitrogen injection systems. The sealing head is mounted on our height adjustable, stainless steel stand with locking casters. A product reject escapement device is also available to divert improper pouches at the exit of the sealing head.



Validatable Sealing Head with Datamatrix Printer & Keyence Code Reader



SYSTEM REQUIREMENTS

Power Source	115 VAC/60 hz 15A 220VAC with CE certification upon request
Floor Space	30" long x 27" wide x 66" high 72" long x 27" wide x 66" high (with optional conveyor)



GENERAL SPECIFICATIONS

All electrical components (AC) shall comply with UL61010A-1 (UL3101-1 first edition) or UL-sticker on the unit.

Speed Range	100 - 600 in/min standard
Approximate Weight	250 lbs.
Construction Materials	304 stainless steel, anodized 6061 aluminum and Lexan
Sealing Head Adjustability	Vertical and rotational
Sealing Belts	Teflon® coated Fiberglass Optional Kevlar® reinforced
Temperature of Operation	100°C - 300°C standard