



The Leader in Pharmaceutical Printing, Laser Drilling & Vision Inspection Machinery

CO2 LASER DRILLING



21 CFR 1040.10
**CLASS 1
LASER
PRODUCT**



For Single & Bi-Layer Tablets and LCT Products
Output Up to 150,000 Products / hour

Servo Drum Laser Drill

One or Two-Sided CO2 Laser Drilling Platform
Multi-Lane Pocket Drum Feed System

Servo Drum Laser Drill

CO2 Laser Drilling for Tablets & LCT-Shaped Products

High output precision laser machine designed to drill apertures in the outer coating of modified-release products. Bulk product is fed into the hopper at the top of the machine, where each product is singulated and gravity-fed into drum carrier pockets for precise positioning. The continuous motion, multi-lane servo-driven drum feed system exposes both sides of product for inspection and laser processing. Designed for quick & easy product changeover in just 30 minutes.

Features

- Multi-Lane Pocket Drum Feed
- Safety enclosure with interlocked doors & enclosed beam path
- Servo based motion with optical encoder position feedback
- Feed and Laser Drums with precision machined pockets.
- Removable hopper assembly for quick & easy changeover between products
- Articulated swing arm with 17" touch-screen HMI
- User friendly Operator Control Interface
- Programmable settings for up to 50 products
- Portable with a small footprint
- Low maintenance cost
- Tower light with buzzer
- Fume extraction unit & toolkit included

Capabilities

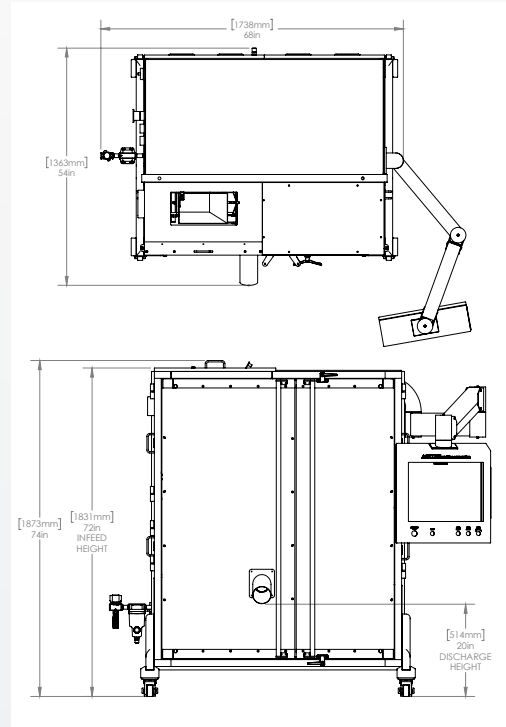
- Output Up to 150,000 / Hour
- Single or Double Sided Laser Drilling.
- Adjustable aperture:
 - Diameter - 0.400 to 1.500mm
 - Depth - 0.30 to 1.50mm
- Drill up to 4 apertures per side with adjustable spacing
- Color recognition system

Options

- Vision inspection with vacuum-based single product rejection
- OPC-UA Server Gateway
- HMI screen text translated and displayed in language of choice
- Secure remote support capabilities
- User Authentication and Time Synchronization
- Auto-backup of product settings

Safety & Regulatory Compliance

- **cGMP for Pharmaceuticals:**
- **FDA 21 CFR Compliance:**
 - Part 210
 - Part 211
 - Part 11
 - Part 1040: Class 1 Laser System
- **CE Compliant**
- **NFPA 79**
- **IEC 60825-1**
- **IEC / EN 60204-1**
- **ISO 13849-1**
- **CRC, c 870**
- **CDRH Compliant**



Specifications

Machine Dimensions:

Height 74" (1873 mm) x Width 68" (1738 mm) x Depth 54" (1363 mm)

Infeed Height: 72" (1831 mm)

Discharge Height: 20" (514 mm)

Weight: 2200 Lbs. (998 kg)

Power Requirement:

208-240 VAC / 50-60 Hz /
3 Phase / 20 Amp

Compressed Air:

100 PSI (6.9 Bar) @ 70 sCFM (119 m3/hr.)

Vacuum Requirement:

4.5" Hg (114 mmHg) @ 100 sCFM (170 m3/hr.)



Proudly Made in the USA