CO2 LASER DRILLING

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

For Single & Bi-Layer Tablets, Caplets & LCT Products
Output Up to 60,000 Products / hour

VIP Laser Drill + NIR
One or Two-Sided CO2 Laser Drilling Platform
Single-Lane Carrier Link Feed System

21 CFR 1040.10
CLASS 1 LASER PRODUCT
VIP Laser Drill + NIR
CO2 Laser Drilling for Tablets & LCT-Shaped Products

Precision laser machine designed to drill apertures in the outer coating of modified-release pharmaceutical products. Features a single-lane carrier timing belt feed system that exposes both sides of product for inspection and laser processing. Effortless continuous operation with minimal user interaction or downtime. Requires only compressed air and power for operation.

**Features**
- Single-lane carrier link system
- Safety enclosure with interlocked doors & enclosed beam path
- Servo based motion with optical encoder position feedback
- Carrier timing belt with precision machined pockets
- Tool-free installation of carrier links
- Adjustable hopper assembly for quick changeover between products
- Patented hopper air-assist feature & clean air filtration system
- Articulated swing arm with 17” touch-screen HMI
- User friendly interface
- Programmable settings for up to 50 products
- Portable with a small footprint
- Low maintenance cost
- Worldwide customer support
- Fume extraction unit & toolkit included

**Capabilities**
- Output Up to 60,000 / 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
- NIR spectroscopy to verify integrity of membrane coating
- OPC-UA Server Gateway
- HMI screen text translated and displayed in language of choice
- Secure remote support capabilities
- Auto-backup of product settings

**Specifications**
**Machine Dimensions:**
Height 81” (2057 mm) x Width 58” (1473 mm) x Depth 41” (1041 mm)

**Infeed Height:** 56” (1422 mm)

**Discharge Height:** 52.4” (1331 mm)

**Weight:** 2050 Lbs. (930 kg)

**Power Requirement:**
208-240 VAC / 50-60 Hz / 1 Phase, 25 Amp

**Compressed Air:**
85 PSI (6 Bar) @ 45 scFM (76.5 m3/hr.)

Proudly Made in the USA

**Contact Us Today!**  +1(856)234-3626  www.ackleymachine.com  sales@ackleymachine.com