



VULCAN MACHINERY CORP.

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Engineering Makes The Difference™

**HEAVY LET-OFF UNIT
HLO Series**



Single Spindle Unit

Single Model Number	Dual Model Number	Max. Reel Flange O.D. (inches)	Max. Reel Width (inches)
SHLO3624	DHLO3624	36	24
SHLO4824	DHLO4824	48	24
SHLO6024	DHLO6024	60	24
SHLO3636	DHLO3636	36	36
SHLO4836	DHLO4836	48	36
SHLO6036	DHLO6036	60	36
SHLO3648	DHLO3648	36	48
SHLO4848	DHLO4848	48	48
SHLO6048	DHLO6048	60	48

APPLICATION:

- The Let-Off Unit is designed to let-off partially completed extruded products to the next processing operation. It can also be used to let-off completed products to a recoiling and cutting operation for the purpose of producing a smaller coiled length.
- Vulcan's let-off unit is powered with servo motor drives. An ultrasonic dancer is the standard means by which the let-off process speed is coordinated to the recoiling operation. The HLO series is also designed specifically for maximum let-off reel weights up to 1500 lbs. Higher let-off package weight capabilities are also available.

PROGRAMMABLE CONTROLS:

- 4.1" LCD touch screen HMI
- Proprietary software driven display
 - Guides operator through set-up and prevents input errors
- Start pushbutton
- Emergency stop pushbutton
- Single turn line speed potentiometer (for manual operation)
- Automatic/manual locking selector switch
- Manual counter override with counter reset
 - Pushbutton for reset after package

SPINDLE AND SHAFT CONFIGURATION:

- Pivoted circular flange tilts to open a square slot to house arbor shaft
 - Arbor shaft contains release transtorque hub and drive pinned flange.
- Spindle speed is controlled using a non-contact, tensionless ultrasonic sensor
 - Optional adjustable tension adding system available for products requiring tension

REEL REMOVAL:

- Reel supports arms and reel spindle rotates by air cylinder actuation to allow full reel to be set on floor or pallet
 - Facilities handling reel weights to 1500 lbs.

DRIVE TRAIN:

- Drive Motor are class H, low inertia, brushless AC servo motors
- Let-off drives are geared in at customer's desired maximum speed

FRAME:

- Heavy wall tubing, steel plate and structural sections
- Two rigid and two swivel casters and hold-downs
- Screw type floor jacks
- Fully guarded drive train and electrical components

ELECTRICAL:

- Standard Electrical is 230 Volt/3 Phase/60 Hertz
 - Electrical other than the above is available as an option



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