



**VULCAN MACHINERY CORP.**

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*Engineering Makes The Difference™*

**GEAR DRIVEN BELT PULLER  
GBP Series**



<b>Model Number</b>	<b>Belt Width (inches)</b>	<b>Belt Contact Length (inches)</b>	<b>Drive Torque (inches/lbs.)</b>
GBP310	3	10	32
GBP424	4	24	70
GBP636	6	36	115
GBP848	8	48	190

**APPLICATION:**

- The Gear Driven Belt Puller is designed to provide a precisely controlled pulling force and speed through the use of an AC servo driven-motor and digitally controlled drive. An all-important additional difference between Vulcan's pullers and other pullers is Vulcan's all-gear drive features double reducer output shaft, with one shaft directly driving the lower carriage. The other reducer output shaft drives the upper carriage head pulley through a set of direction changing spur gears and an articulated drive shaft that will transmit power at any nip opening.

## **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
- Manual counter override with counter reset
  - Pushbutton for reset after package

## **BELT CARRIAGE:**

- Belts are of Poly-V Construction
  - Belt travels over bed of support rollers
  - Belt material is a 45 A durometer non-marking natural rubber compound
- Upper Carriage Actuation
  - Pneumatically actuated
  - Nip opening – 4" min.
  - Hard wheel actuated positive carriage stops for setting closed nip dimension
  - Closed nip dimension can be changed under load

## **DRIVE TRAIN:**

- Drive Motor are class H, low inertia, brushless AC servo motors
- Puller 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

## **OPTIONS:**

- Higher HP on some models
- Remote speed control with 50' cable



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