

MEGALINEAR P8.75

- The New Megadyne Belt for Vertical Transfer Units (VTU)

The MEGALINEAR P8.75 is the next-generation polyurethane belt engineered to meet the stringent demands of vertical transfer units, key systems used to move heavy loads within automated production and logistics environments.

A Vertical Transfer Unit (or vertical drop lifter) is a lifting device integrated into conveyor or skid systems, enabling precise and reliable transfer of loads between different elevations.

In automotive manufacturing, **VTUs** are essential for moving vehicle bodies or assemblies between process levels, including critical stations such as the marriage line. Beyond automotive, **VTUs** are widely used in logistics and material-handling facilities where controlled, safe, and high-capacity vertical movement is required.

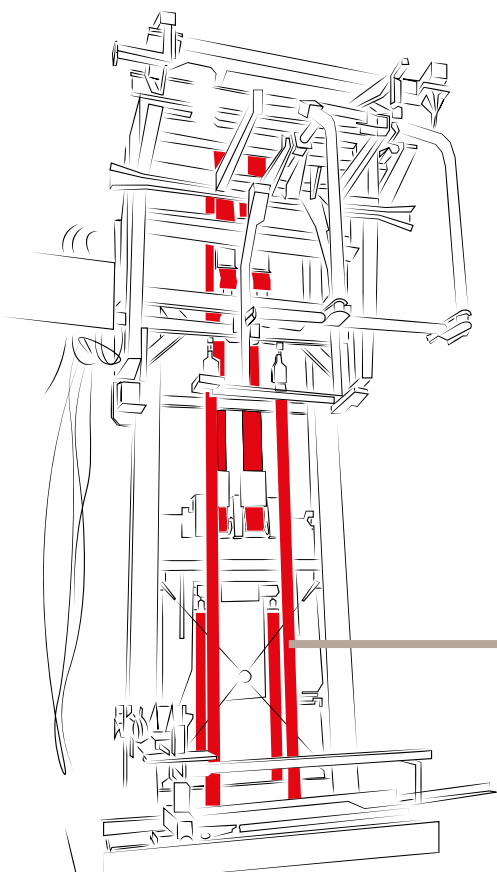


BELT REQUIREMENTS IN VTU APPLICATIONS

The belt that drives a VTU must withstand high loads, continuous duty cycles, and demanding environmental conditions.

Key requirements include:

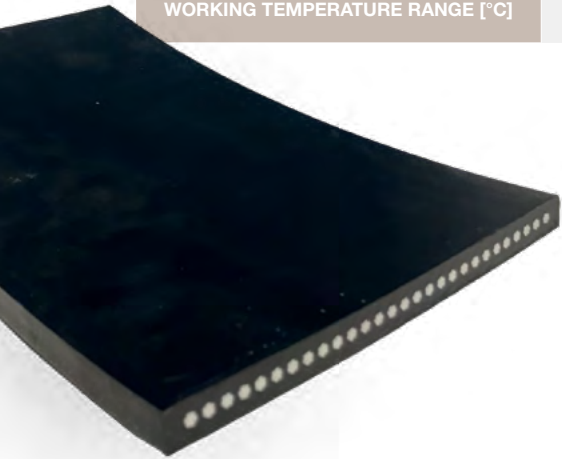
- High tensile strength for lifting heavy masses with stability
- Exceptional dimensional stability to ensure precise, repeatable positioning
- Resistance to chemical exposure, oils, dust, and abrasive contaminants
- Long service life under dynamic load conditions



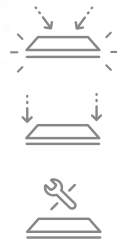
The MEGALINEAR P8.75 has been specifically developed to address these needs.

BELT CONSTRUCTION

BODY MATERIAL	Black TPU, 92 ShA					
CORD TYPE	S&Z twisted Steel, cords ø2.5mm					
BELT WIDTH B [mm]	90	120	150	180	200	230
BREAKING STRENGTH [N]	158400	201600	302400	360000	403200	489600
WIDTH TOLERANCE [mm]	±1					
MINIMUM DRUM DIAMETER [mm]	ø250					
FRICTION COEFFICIENT ON STEEL DRUM	0.5					
WORKING TEMPERATURE RANGE [°C]	-25 / +80 °C					



KEY PRODUCT ADVANTAGES



- Silicone-free polyurethane compound offering superior **chemical and abrasion resistance**
- High-performance cords enabling reduced belt widths while ensuring **outstanding stability and positional accuracy**
- Optimized design supporting high load capacity with **minimal maintenance**

WHY CHOOSE MEGALINEAR P8.75?

Uncompromising quality, high performance and competitive total cost of ownership
– thanks to reduced belt and pulley dimensions that lower system costs without sacrificing reliability.

The local partner of choice for sustainable power transmission belting solutions around the globe.



Discover Your Local Contacts

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Scan the QR code and find your local contact

