



# MEGADYNE

## **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.

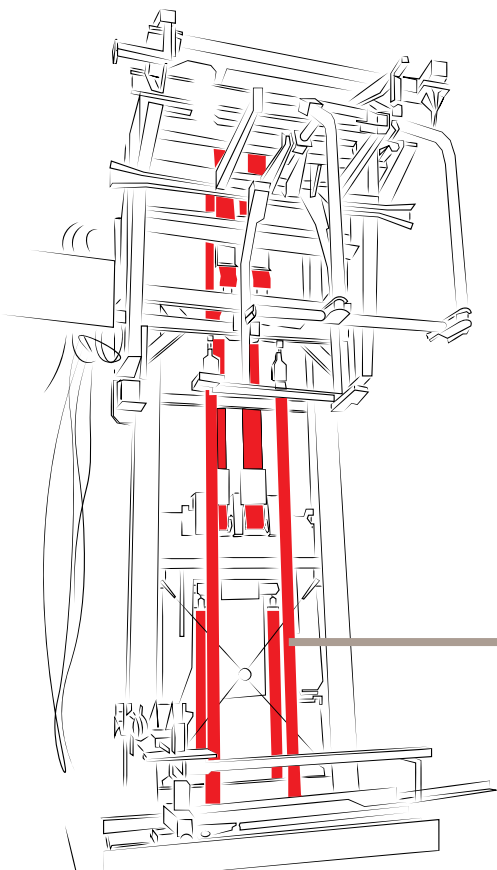


### BELT REQUIREMENTS IN VTU APPLICATIONS

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

Key requirements include:

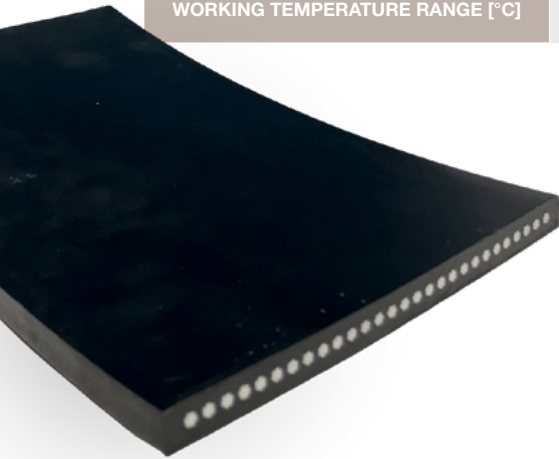
- High tensile strength for lifting heavy masses with stability
- Exceptional dimensional stability to ensure precise, repeatable positioning
- Resistance to chemical exposure, oils, dust, and abrasive contaminants
- Long service life under dynamic load conditions



**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]	120	150	180	200
BREAKING STRENGTH [N]	196 000	245 000	350 000	392 000
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

**Megadyne**  
 Via Trieste, 16  
 Via S. Lucia 114 - 10075 Mathi (Torino)  
 Italy

[www.megadynegroup.com](http://www.megadynegroup.com)

Scan the QR code and find your local contact

