Comparative Cost of Operation Between Loewer Deburring Machine and Typical Wide Belt Sander



Loewer DiscMaster

10" Disc \$15.23 2 Discs per machine \$30.46 10" Brush \$378.00 2 brushes per machine \$756.00

> 10" Disc 16 hours 10" Brush 520 hours

Abrasive cost per hour \$3.35

Abrasive

Electrical

Cost

Total Operating

Costs

Costs

With 5 day work week for one year total costs \$6,432.00 ▼



Wide Belt Machines

Abrasive belt \$75.00 Top brush unit with 7 brushes at \$95.00 each Barrel brush 10"X37" medium Scotch Brite \$3,500

Average belt 8 hours on average Top brush 480 hours or 3 months Barrel brush 960 hours or 6 months

Abrasive cost per hour belt and top brush \$10.77

Abrasive cost per hour belt and barrel brush \$13.03

With 5 day work week for one year total cost Belt and top brush \$20,678.40 ▲ Belt and barrel brush \$25,017.60 ▲



Loewer DiscMaster

440 Volt 30 amps 8 hours 144 kilo watt hours \$0.14 per KWH

Cost per day \$20.16 ▼ Electrical cost per year \$4,838.40 ▼



Wide Belt Machines

440 Volt 125 amps 8 hours 624 kilo watt hours **\$0.14 per KWH**

Cost per day \$87.36 Electrical cost per year \$20,966.40



Loewer DiscMaster

Total abrasive costs for one year \$6,432.00

Total electrical costs for one year \$4,838.40 ▼

Total combined operating costs for one year \$11,270.40 ▼



Wide Belt Machines

Total abrasive costs for one year \$20,678.40 or \$25,017.60

> Total electrical costs for one year \$20,966.40 A

Total combined operating costs for one year \$41,644.80 or \$45,984.00 A



SAVINGS of \$30,374.40 or \$34,713.60

Depending on choice of abrasive





Other Potential Costs with Wet Wide Belt Machine

Disposal of liquid waste in wet wide belt \$7.47 a pound X 100 gallons = \$5,976.00

Filter media for liquid \$60.00 per roll X 12 rolls a year = \$720.00

Additives for liquid tank \$200.00 per pail X 4 pails a year = \$800.00

Contact drum bearing replacement \$450.00 plus labor costs twice a year avg \$1,800.00

Tension roller bearing replacement \$300.00 plus labor costs twice a year avg \$1,500.00

Average infeed belt cost \$2,800.00 or more X 2 a year = \$5,600.00

Other Points

Shorter electronic component life More time day to day cleaning **Eventual rust issues**

Liquid can cause issues with part welding and coatings

