

Manipulator or End Effectors Worksheet



7600 W 27th Street, Suite B11
St. Louis Park, MN 55426

Toll Free: 1-866-832-8665

Phone: 952-974-3042

Fax: 952-974-3045

Email: info@technicaltoolproducts.com

Web: www.technicaltoolproducts.com

| | |
|------------------------|------------------------|
| Contact Name _____ | TTP Quote number _____ |
| Company _____ | Date (m/d/y) _____ |
| Street _____ | Email _____ |
| City, State, Zip _____ | Phone _____ |
| | Fax _____ |

This is general guide to assisting you with specifying a Manipulator or End Effectors.
It is not comprehensive but provides a good starting point.

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| Describe the product(s) to be manipulated: | Weight (lbs.): Height: Width: Length: I.D.: O.D.: Is the load evenly distributed? Describe: Can you provide a picture or drawing? |
| Describe the application(s): | Can you provide a picture or drawing? |
| Cycles: | Per minute _____ hour _____ day _____ In use how many hours per day: _____ |
| Reach required: | Max Reach: Inches From Center Line of Manipulator _____ Min. Reach: Inches From Center Line of Manipulator _____ What is the distance you need to move the part? _____ Inches/Feet |
| Min/Max height required: | Minimum Height: Distance to Bottom of Product at Lowest Position: Maximum Height: Distance to Bottom of Product at Highest Position: Are there any obstructions, equipment, personnel in the movement path? |

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| <p>Part Positioning:</p> <p>Does the part need to be rotated, turned 90 degrees or other angle?</p> <p>Does the part need to be picked up in a certain way and/or placed in a specific orientation?</p> <p>Is the part sensitive to compression, bending, etc. that would require special handling?</p> | <p>Describe in detail:</p> <p>Describe:</p> <p>Describe:</p> |
| <p>Mounting:</p> | <p>Floor Mount: _____ Specify OAH of the ceiling/space: _____</p> <p>Overhead mount: (Bridge System / Fixed Position). Specify dimension if known: Capacity _____ Runway length _____</p> <p>Bridge Width _____</p> <p>Note: We can provide products as required for bridge systems.</p> <p>Mobile or Pedestal Mount. Describe: Do you want to use a Forklift, pallet jack, other? (specify)</p> <p>Mobulator(TM)AC option (call for details) or see www.advancedmanipulator.com</p> |
| <p>Describe the operating environment:</p> | <p>Corrosive, Abrasive, Hot, Cold, Dusty, Clean Room, Explosive. Specify requirements:</p> |
| <p>Utilities Available:</p> | <p>Electrical: _____, Air _____ PSI, Other _____</p> |
| <p>Controls</p> | <p>How do you want the operator to control the movement?</p> <p>Remote control handle</p> <p>Zero-Gravity</p> <p>Fixed handle with push buttons</p> <p>Other: Specify</p> |
| <p>Other challenges / considerations</p> | <p>Describe:</p> |
| <p>Installation:</p> | <p>Do you need installation assistance?</p> |

Many options for part manipulation and positioning are available. We can flip complete windows and doors for assembly, hold parts for sub-assembly and error-proofing, handle paper rolls, provide torque arms for tooling and many other special products. Contact us with your unique application. We would be glad to help.