The Mitsubishi materials Rotary Die Cutter features precision, quality, and durability by adopting Tungsten Carbide technology, precise process technology, and a detailed inspection process.

### Applications

- Diapers
- Sanitary Napkin
- Adhesive Bandages
- Various Labels
- Secondary Cells
- Fuel Cells

### Long life and high quality cutting

- A combination of wear-resistant carbide (die cutter) and impact resistant carbide (anvil roll) delivers high quality cutting while maintaining durability and longevity.

- Mitsubishi materials produces a high quality and reliable cutting edge by using CAM process simulation and top-tier grinding technology.

### High rigidity die station

- The high rigidity unit is designed using CAE simulation. It delivers a stable cutting process and reproducibility at the time of the tool change over.

### High efficiency and high value performance

- The Mitsubishi materials rotary die cutter can speed-up your cutting line versus a die and punch process.

- While a carbide cutter has higher initial cost than a steel cutter, the overall running cost of carbide is one-third the cost of steel due to the longer tool life.

<table>
<thead>
<tr>
<th></th>
<th>Tungsten carbide</th>
<th>Steel</th>
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<tbody>
<tr>
<td>Tool cost</td>
<td>3.0</td>
<td>5.0</td>
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<tr>
<td>Regrinding cost</td>
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<tr>
<td>Tool life</td>
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<tr>
<td>Tool cost / Cut</td>
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</table>
Quality Control and Assurance

- Precision inspection with CCD camera
  CCD camera can measure edge condition and dimensions.

Product Testing

- In-house testing of cutting edge sharpness
  We can test the sharpness of the rotary die cutter by using a Mitsubishi materials developed test cutting machine.

Custom Sizing

- Application ranges
  Max. diameter: O.D. Ø390mm, length 380mm
  Carbide ring (Varies with proportionality of diameter and length)
  Max. length: 1,600mm (Steel shaft length)
  Max. weight: 500kg (Carbide ring + Shaft)

- Exemplary sizing (Carbide ring O.D. × Barrel length) × Shaft length
  Adult diapers: (Ø340mm × 800mm) × 1,500mm
  Baby diapers: (Ø272mm × 950mm) × 1,519mm
  Sanitary napkins: (Ø 87mm × 250mm) × 600mm

- Lineup
  [Low-cost die cutter] (Single-cutter: 1 pattern/rev.)
  Compare with multi-cutter
  • Light weight, easy handling
  • Low cost
  [Die cutter] (Multi-cutter: 2-10 pattern/rev.)
  • General product

Customer Support and After-sales Service

- Detailed analysis, maintenance, and responsiveness
  Mitsubishi materials has a sales network in more than 60 countries and provides the world’s highest quality products, after-sales service, and tool maintenance.