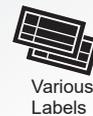


Rotary Outline Cutting Tool

ROTARY DIE CUTTER

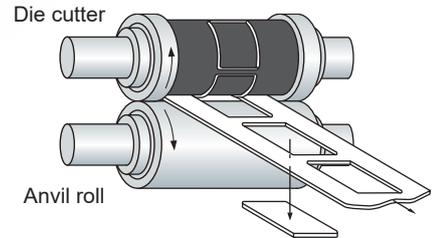
MMC RYOTEC Rotary Die Cutter features precision, quality, and durability by adopting Tungsten Carbide technology, precise process technology, and a detailed inspection process.

Applications



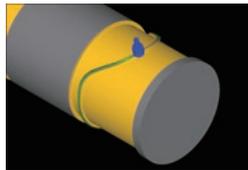
Long life and high quality cutting

- 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.

CAE simulation



Detail of cutting edge



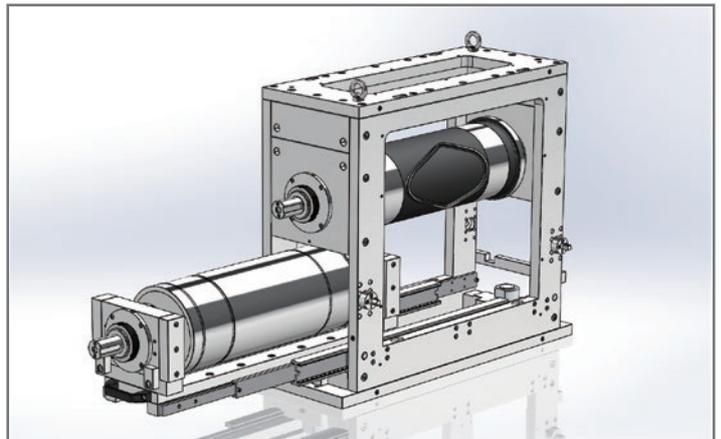
RDC Unit for Sanitary

- Easy assemble and disassemble due to enough clearance.
- Zero clearance realize the high accuracy assembling.
- Vibration is suppressed and contribute to stable production.



RDC Unit for Baby Diaper

- Easy replacement for Anvil Roll.
- No need to disassemble RDC and unload unit from production line.
- Significant time reduction for replacing the Anvil roll.



Quality Control and Assurance

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



Product Testing

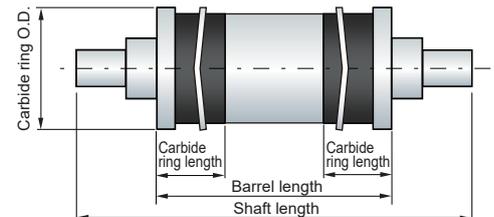
- In-house testing of cutting edge sharpness
We can test the sharpness of the rotary die cutter by using a Mitsubishi materials developed test cutting machine.



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

Carbide material for die cutter



Carbide material for anvil roll



● 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.)]

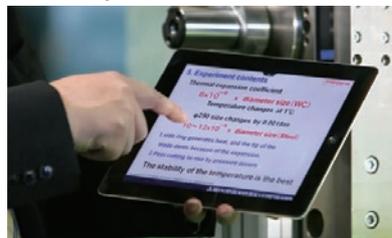
- General product



Customer Support and After-sales Service

● Detailed analysis, maintenance, and responsiveness

RYOTEC has a sales network in more than 60 countries and provides the world's highest quality products, after-sales service, and tool maintenance.



MMC RYOTEC Corporation

A Group Company of  MITSUBISHI MATERIALS

Tokyo Office [Eastern Japan/ International]
KFC bldg., 7F, 1-6-1, Yokoami, Sumida-ku, Tokyo 130-0015, Japan
TEL +81-3-5819-5264 FAX +81-3-5819-5259

Gifu Office [Central Japan]
1528-1 Yokoi Nakashinden, Godo-cho, Anpachi-gun, Gifu 503-2394,
Japan (Within Gifu Plant)
TEL +81-584-27-5419 FAX +81-584-27-5022

Osaka Office [Western Japan]
OAP Tower, 22F, 1-8-30, Tenmabashi, Kita-ku, Osaka-shi, Osaka
530-6070, Japan
TEL +81-6-6355-1052 FAX +81-6-6355-1057