The Mitsubishi Slot Die features precision, quality, and durability by adopting Tungsten Carbide technology, top-tier manufacturing, fluid simulation and design, and a detailed inspection process.

### Application Ranges Include
- Lithium Ion Battery
- OLED
- MLCC
- Capacitor
- Functional Films
- Thin Film Solar Cells / Organic Solar Cells
- Fuel Cells
- LCD
- Optical Films
- Secondary Batteries

### High Precision from Proprietary Grinding Technology
Our grinding technology enables us to improve the coating uniformity with a razor-sharp coating lip below 2μm/m straightness.

### Long-life and High Quality Coating due to Tungsten Carbide Lips
A combination of corrosion-resistant carbide and wear-resistant stainless steel alloy delivers high quality coating while maintaining durability and longevity.

### Custom Sizing
Can be manufactured to lengths up to 3800mm (150inch) for higher efficiency and productivity.

### Various Coating Patterns
Available in intermittent coating, stripe coating, and patch coating patterns.

### Slit Width Adjustment Systems
- **Bolt Adjustment**
  - Manual adjustment for finer control
  - Expansion and contraction of lip gap
- **Digipress Adjustment**
  - Quantitative process control
  - Consistency and repeatability
  - Digital output for user friendliness
  - Sliding modules for target area adjustment

### Application Ranges
- Length Available: Max. 3800mm (Max. 150inch)
- Dry Film Thickness: 10nm - 0.7mm (0.0004mils - 0.027inch)
- Wet Film Thickness: 3μm - 1mm (0.12mils - 0.039inch)
- Viscosity: About 1cps - 30,000cps
**Precision Non-contact Inspection**

An exclusive measuring tool for Mitsubishi Materials’ Slot Die

- CCD camera can measure slit width overall.
- Slit width that can be measured: Up to a Maximum of 0.5mm

**Fluid Analysis**

Mitsubishi Materials can calculate distribution of static pressure and unevenness of film thickness with computer-aided fluid analysis.

**Hinge Mechanism for Easy Cleaning**

Mitsubishi Materials supplies a hinge mechanism as an option for easy and quick cleaning, while maintaining a precision slot die set up. The die may be kept on line in the coating station, reducing downtime between coating runs.