

# A World of Experience

## History around the Globe

Mitsubishi Materials tungsten carbide history from 1931, combined with superior grinding technology, brought about the manufacturing of the first Mitsubishi Slot Dies in the 1970's for the magnetic film market. In 1981 tungsten carbide lip slot dies were introduced. Since that time, thousands of dies have been supplied across the globe in every major international market between Tokyo – Japan, Dusseldorf – Germany, and Chicago - USA. The availability of custom cavity designs, a variety of lip materials, multiple slit adjustment systems, and unyielding quality and consistency brings Mitsubishi Materials to a wide range of markets and applications.



## Markets and Applications



- Lithium Ion Batteries
- Solar Photovoltaic
- OLED
- Fuel cells
- Multilayer Ceramic Capacitors
- Flat Panel Displays
- Super capacitors
- Optical film
- Functional Film

## Application ranges

- Length Available : 6'' - 150''  
(150mm - 3800mm)
- Dry Film Thickness : 10nm - 0.028'' (0.7mm)
- Wet Film Thickness : 3μm - 1mm
- Viscosity : 1cps - 30,000cps
- Uniformity : Down to 1%

