



# Plastic Injection Molds

## > Selective preservation of surface topography

The unique ability of the Micro Machining Process (**MMP**) to selectively target surface roughness in an injection mold can dramatically impact the performance of the mold and the quality of the parts being molded.

## > Technical benefits of using **MMP**

- Easier part removal from mold
- Faster cycle times
- Reduced mold fouling / fewer mold maintenances

## > **MMP** advantages

- Well suited for use on complex geometries
- Reduced lead-times for mold finishing
- Scalable to large cavity count molds



## > Applications

- Threaded caps
- Pre-forms
- Consumer goods packaging (bottles, applicators, etc.)
- Automotive lighting systems
- Medical components



MMP



Cap molds (injection mold cores for threaded caps)



MMP



Plastic injection mold



## > A unique process worldwide

The **MMP TECHNOLOGY®** makes it possible to obtain super-finished surfaces by selective removal of successive "frequency" ranges of surface roughness. This technique enables a level of control that is not possible with traditional polishing methods.



## > A global expansion strategy

The **MMP TECHNOLOGY®** process is available exclusively through 7 companies located in Europe, the United States, India and China, as follows :

### Seven key markets

- Aerospace
- Forging, Stamping, and Die
- Additive manufacturing
- Medical implants and instruments
- Plastic injection molds
- Cutting Tools
- Transmissions (gears and bearings)

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