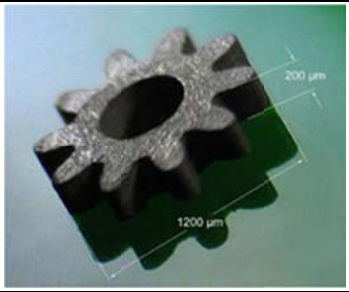
Replication

Injection moulding

CEA-LITEN, France

Contact:	**Pascal Revirand** Email pascal.revirand@cea.fr • Phone +33(438)784138						
Material class:	Silicon X	Polymer X	Metal X	Ceramic X	Glass	Organic	Other
Short technology description:	The CEA is equipped with 2 injection moulding machines of last generation : – One Micro press (**Battenfeld MicroPower**) design for the CEA to injection both feedstocks for CIM and PIM, polymers and nanocomposites. This press allows to inject small parts up to 3 cm^3 with a high accuracy (weight and geometry) – One 2-components injection Moulding machine specially designed for the CEA by **Billion**. This press allows to inject much bigger parts up to 1000000 cm^3 Both presses are designed to produced In-mold labelled parts (robot attached).  *Battenfeld MicroPower*  *Billion 2C injection molding Machine*						
Typical structures and designs:	  Courtesy Seiko						
Special features:	– No limitation on features complexity and size						
Limitations, constraints:	– Demouldability: aspect ratio up to 10						
Material examples:	– Alumina, stainless steels, titanium,…						