Centrifugal & Axial-Flow Impeller Manufacturing Process

LPR GLOBAL

344 Bloor Street W, Suite 607, Toronto, ON Canada M5S 3A7
www.lprglobal.com | www.uskoreahotlink.com
Tel.: +1 416-423-5590
E-Mail: info@lprglobal.com

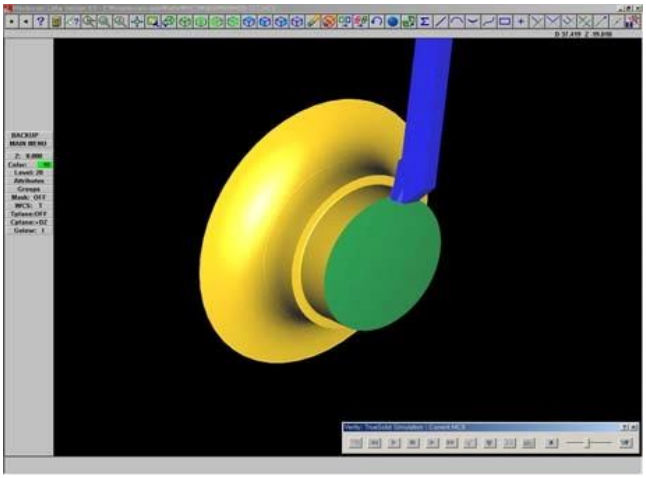
Centrifugal & Axial Flow Impeller

Process 1: Material Supply (up to Ø2,000mm)

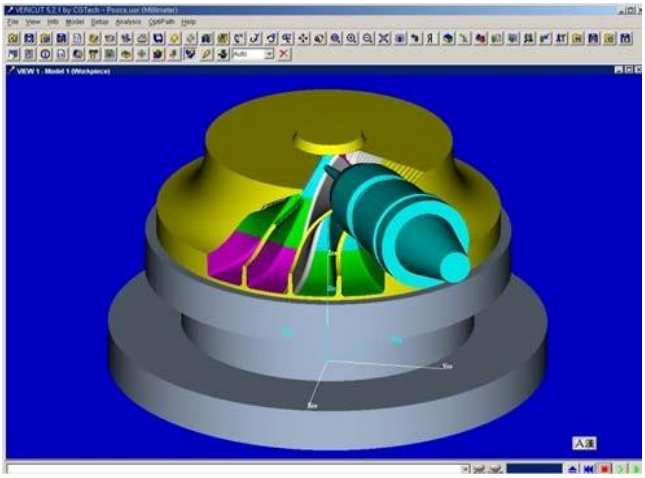
Materials

- 17-4PH (SUS630, 17Cr4Ni, AMS564, etc.)
- Titanium (Ti-6Al-4V, Ti-6-2-4-2 etc.)
- SUS304, SUS316, SUS410, SUS420
- SUS431, SS400, etc.
- AL7075-T6, AL6061-T6, AL2024-T6 etc.

Process 2: CAD/CAM Programming (HyperMill, CATIA, MasterCAM, Vericut)



Turning Lathe Simulation Verification



5-Axis NC Milling Simulation Verification

Process 3: Turning Lathe before NC Milling

Centrifugal & Axial Flow Impeller

Process 4: 5-Axis NC Milling (Impeller Ø10 mm to Ø1,050mm)

Turbine Blade (Ø350 mm)

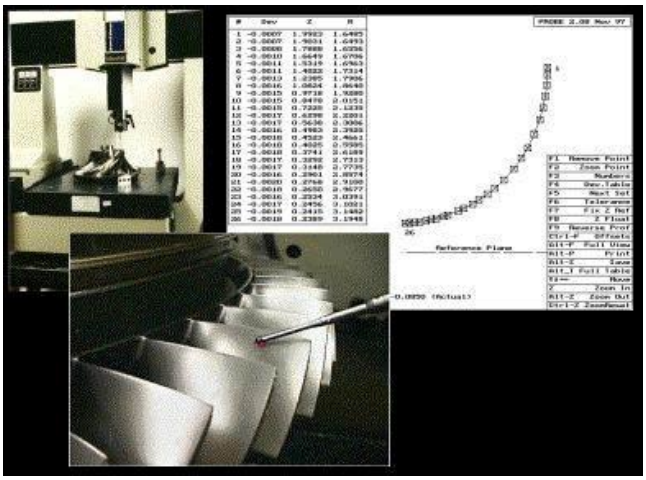
Water Jet Impeller (Ø600 mm)

Process 5: Final Turning Lathe after NC Milling

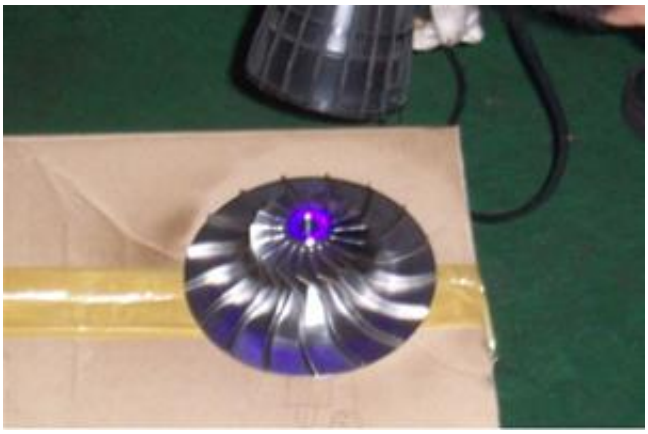
http://www.uskoreahotlink.com/products/manufacturing/compressor-turbine-blade-manufacturer/

Centrifugal & Axial Flow Impeller

Process 6: CMM Inspection



Process 7: Nondestructive Inspection (PT, FPI, MT, UT)



Process 8: Packing

LPR Global, Inc.

344 Bloor Street W, Suite #607 Toronto, ON M5S 3A7 Canada

www.lprglobal.com | www.uskoreahotlink.com

Tel: +1 416-423-5590

E-Mail: info@lprglobal.com