

# NANOGRANDE

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CEO

**N**Gen Next Generation  
Manufacturing Canada



THE OPPORTUNITY:

**NANOGRANDE fills that gap**



## PROJECT DESCRIPTION

Additive Manufacturing of high precision components

PROJECT  
DURATION:

24 months

STARTING  
TRL LEVEL:

7

## PROJECT OBJECTIVES

- **Increase manufacturing freedom** through 3D Printing
- **Multiple** verticals & applications
- Reduce development cost and time from **months to days**
- **Mass customisation**

ENDING  
TRL LEVEL:

9

## EXAMPLE-1: ELECTRONICS-5G

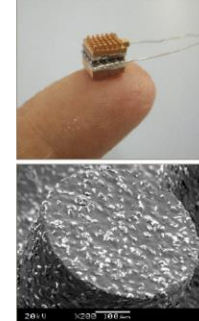
Nanogrande is ideally placed to meet and in some instances anticipate the rapidly changing requirements of the electronics manufacturing industry in terms of miniaturization, speed, flexibility and innovation

PROJECT  
DURATION:  
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STARTING  
TRL LEVEL:  
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### Typical Products:

- shielding enclosures
- contact strips, fingers, & gaskets
- Antennae and micro antennae
- Heat sinks



ENDING  
TRL LEVEL:  
9

## EXAMPLE-2: AEROSPACE & DEFENSE

Nanogrande is being part of defense and aerospace applications

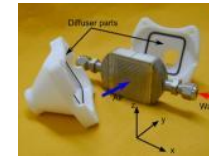
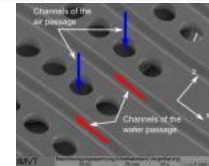
Nanogrande is ideally placed to meet the rapidly changing requirements in terms of quality, speed, precision and innovation

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### Typical Products:

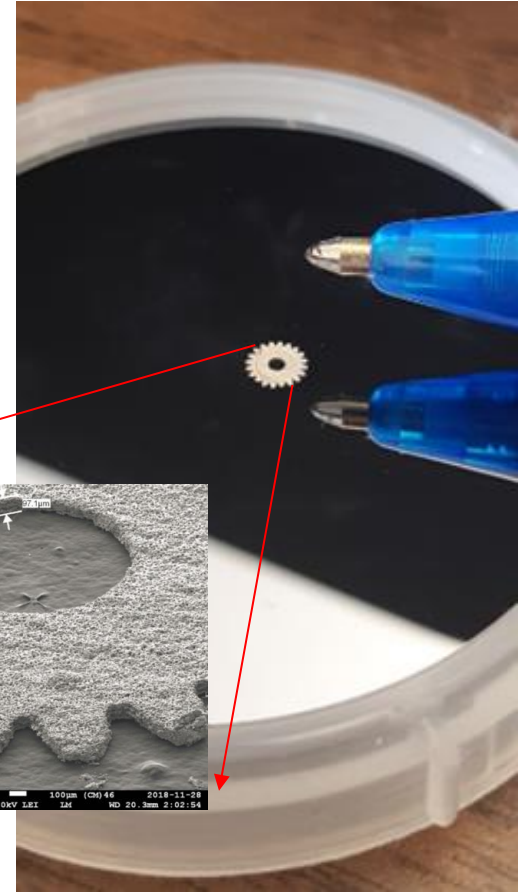
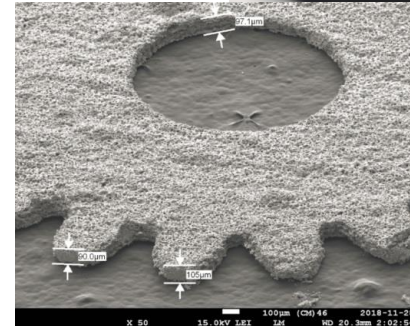
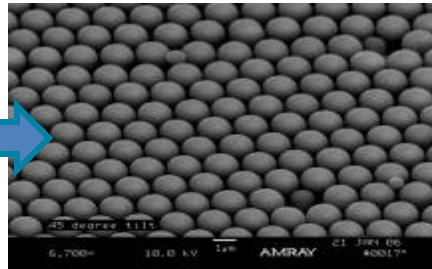
Cooling plates, Heat exchangers, Gaskets, Air intake grilles, Alternator parts, Grilles, Heat insulation shields, Fuel filters, Precision shims and spacers, Stencils, Instrument panels, Dials and pointers, Fuel Cell components



ENDING  
TRL LEVEL:  
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HOW WE ACHIEVE THIS:

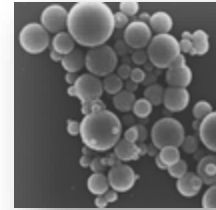
By Mastering Cohesive Forces on  
nano-powders and making them  
work for you



## OUR EXPERTISE AND ROLE IN THE PROJECT:

- Materials
- High precision metal parts manufacturing
- 3D Design
- Parts Analysis

Micro-Nano Powder



Nano 3D Printer



## EXPERTISE WE ARE LOOKING FOR:

- Industries requiring or working with **precision metal manufacturing**
- Well implanted companies looking for a **technical differentiator - enabler**
- Companies having **established sales pipeline** and network
- Companies looking for **replacement of MIM, PIC or Micro-Machining**