Value Offer 2021



Awakening Ideas ®

nubus.com.mx

Our evolution...



Founded as an engineering services partner

Started CNC manufacturing & Laser assembly

Received our ISO 9001:2015 certification























Kicked-off micro laser welding for tooling repair & refurbishment

Incorporated **EDM & Grinding** to consolidate a one-stop solution for tooling services

Started highspeed conventional manufacturing + launched laser engraving & marking services

nubus.com.mx

Our Services







Manufacturing & Assembly

- Laser-welding assembly
- CNC machining
- EDM
- Laser engraving & marking
- Conventional high-speed machining

Tooling services

- Tooling, spares & components fabrication
- Repair & Refurbishment
- Preventive maintenance
- Engineering changes
- Reverse engineering



Manufacturing & Assembly

One-stop shop: from prototype to production Nubus





ISO 9001:2015 certified



APQP & Project Management

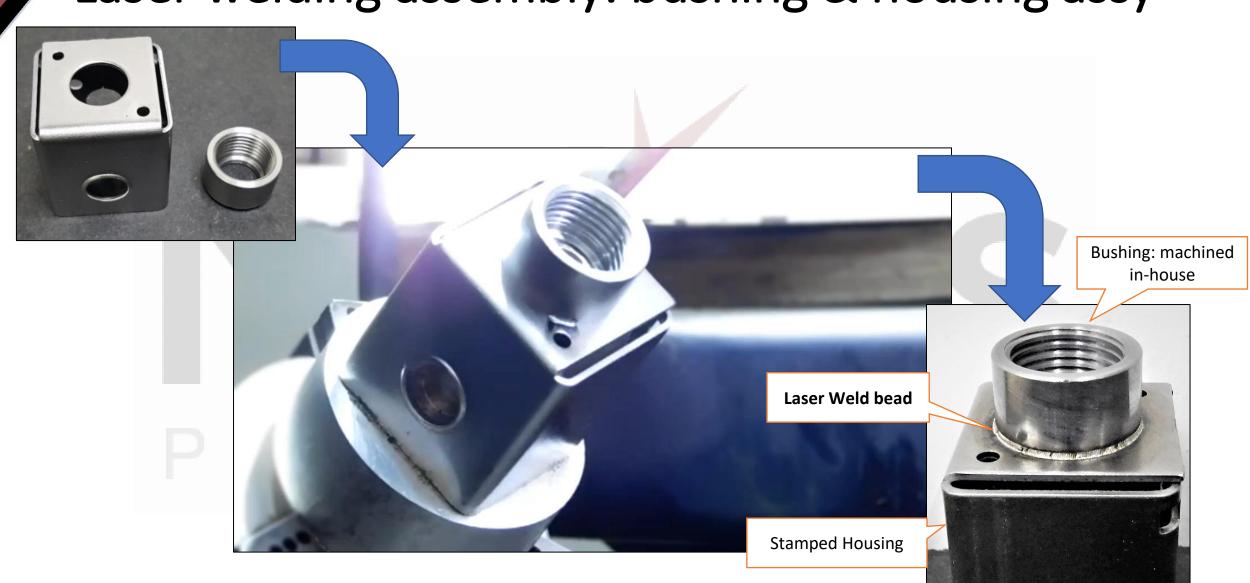


Laser-welded assembly: from prototype to production + internal support equipment development \rightarrow shorter leadtimes and lower costs



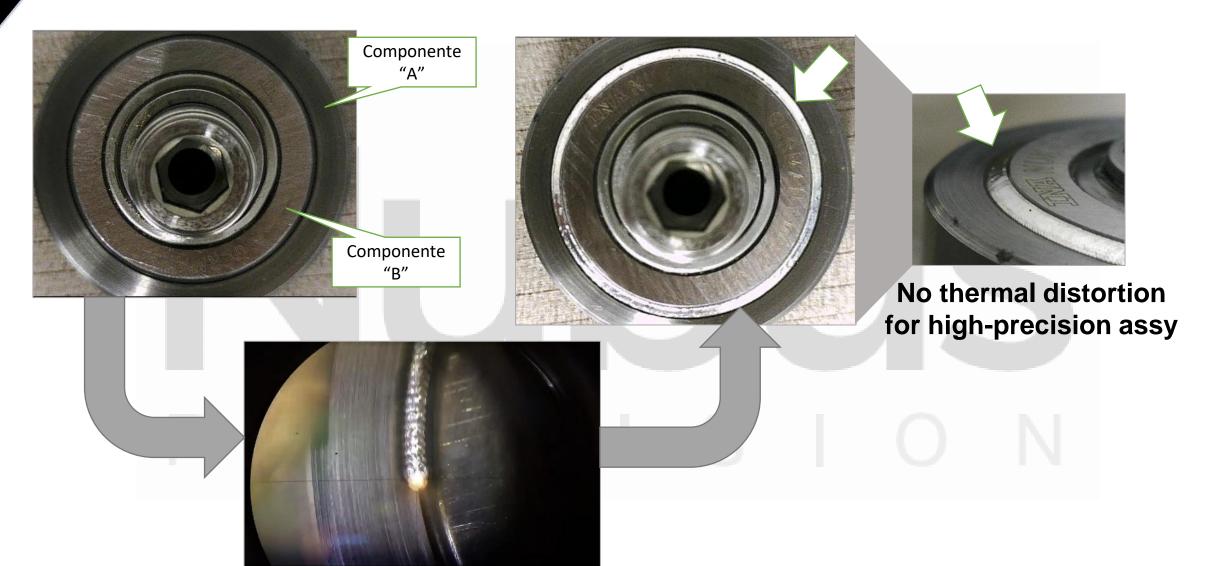
In-house Manufacturing: CNC + EDM + Grinding + Conventional high-speed machining + Laser engraving

Laser welding assembly: bushing & housing assy





Laser welding assembly: bearing assembly



Manufacturing technologies

2177777







Contactless inspection system (X-Y-Z)

CNC Machining with 4th axis

Conventional high-speed machining



EDM











CNC & Conventional high-speed machining





Tooling Services



Integrated offer: one-stop shop



Tooling Repair



Tooling
Preventive
Maintenance &
Spares fabrication



Tooling & Precision devices design and manufacturing

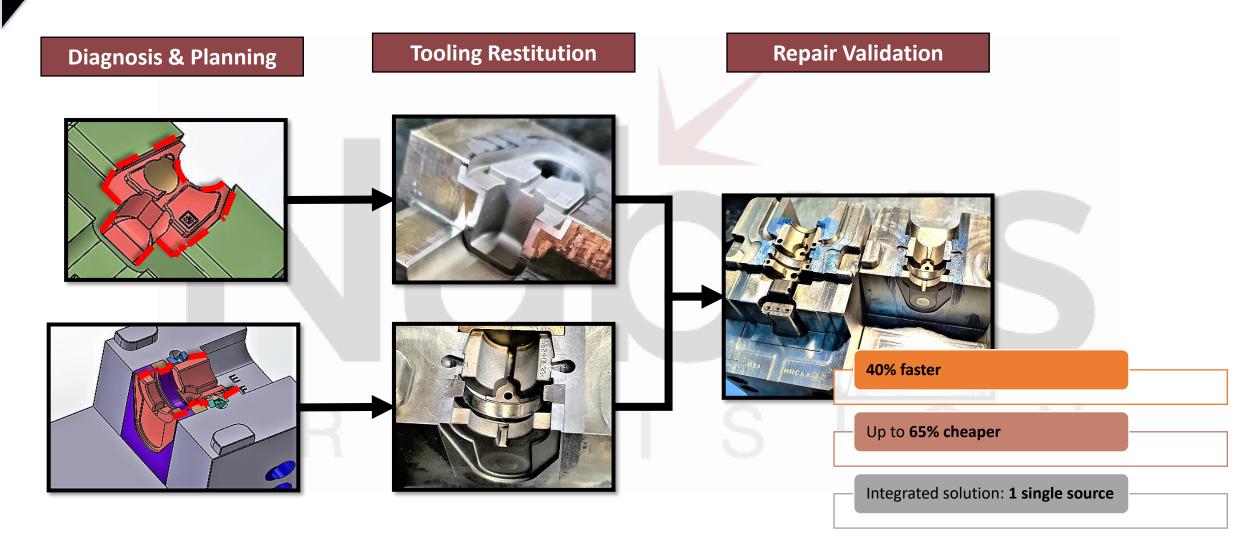


Laser marking and texturing



Tooling Repair





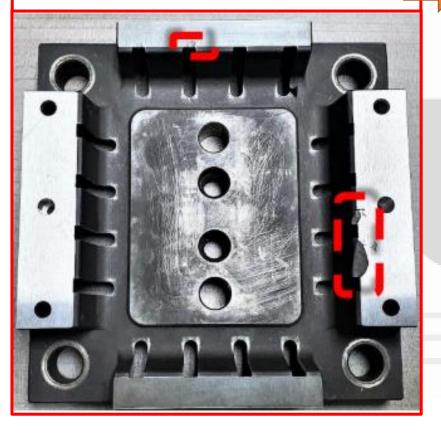


Tooling Repair



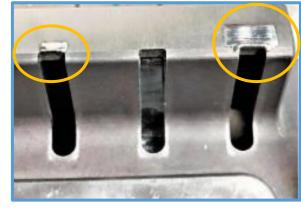
6 hours reaction time from beginning to end!





Laser welding filling



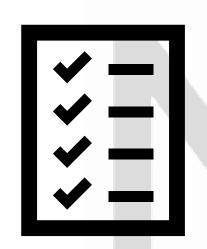


Ground surface: ready for operation





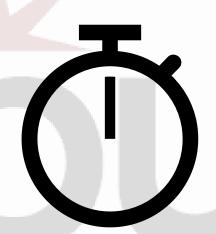
Preventive Tooling Maintenance



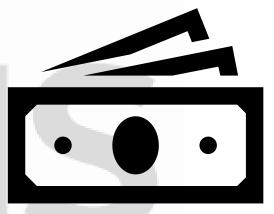
Systematic Diagnosis & Execution



Engineers & Technicians with +10 years of experience and specialized training



On-time delivery guarantee



Cost transparency & competitiveness

Spares fabrication

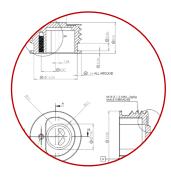




Initial concept development

"Functionality"

We can do it even without prints!



Final engineering info release

"Manufacturability"



Fabrication "Execution"



Validation "Quality Confirmation"

From concept to final component



Tooling & Precision devices design and manufacturing

Customer needs

• Final product & use definition

Primary concept

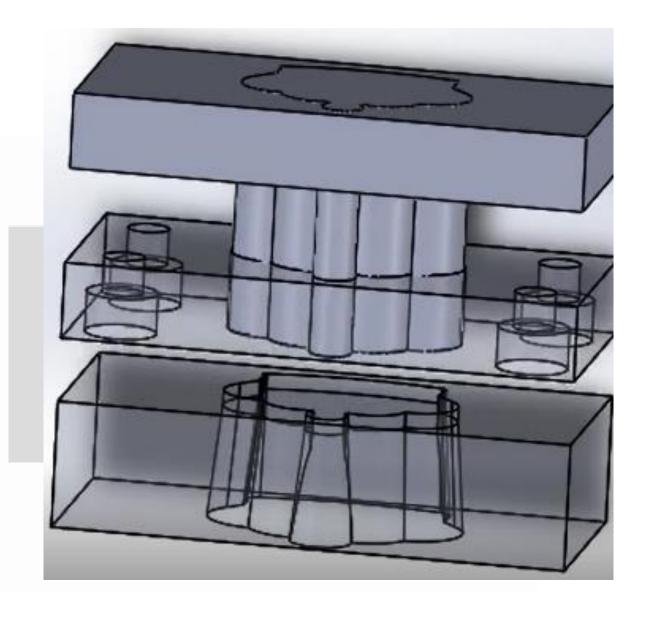
- Datums
- Simulation
- Initial fabrication concept

Final concept

- Fabrication strategy
- Validation protocols

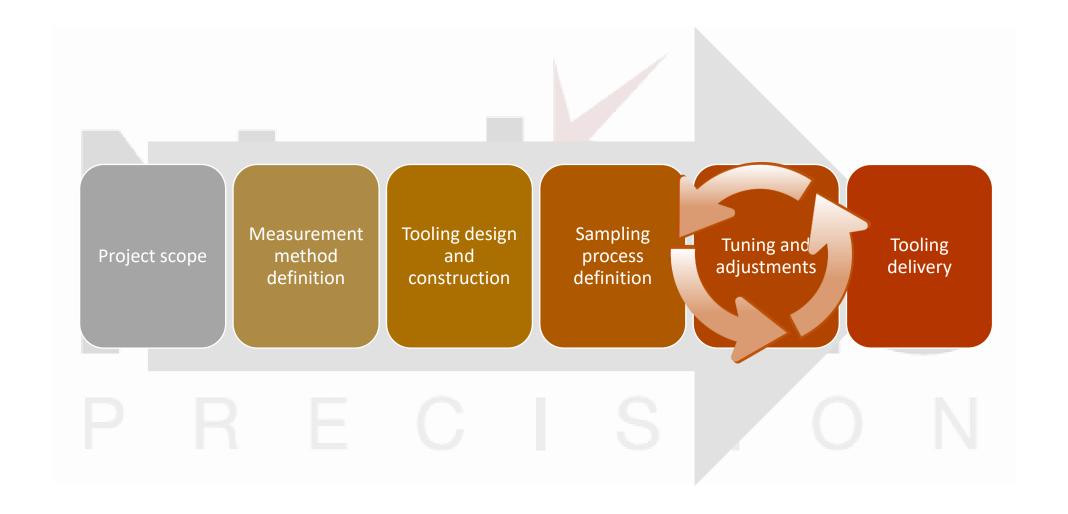
Manufacturing & Validation

- Processing
- Dimensional & Functional validation



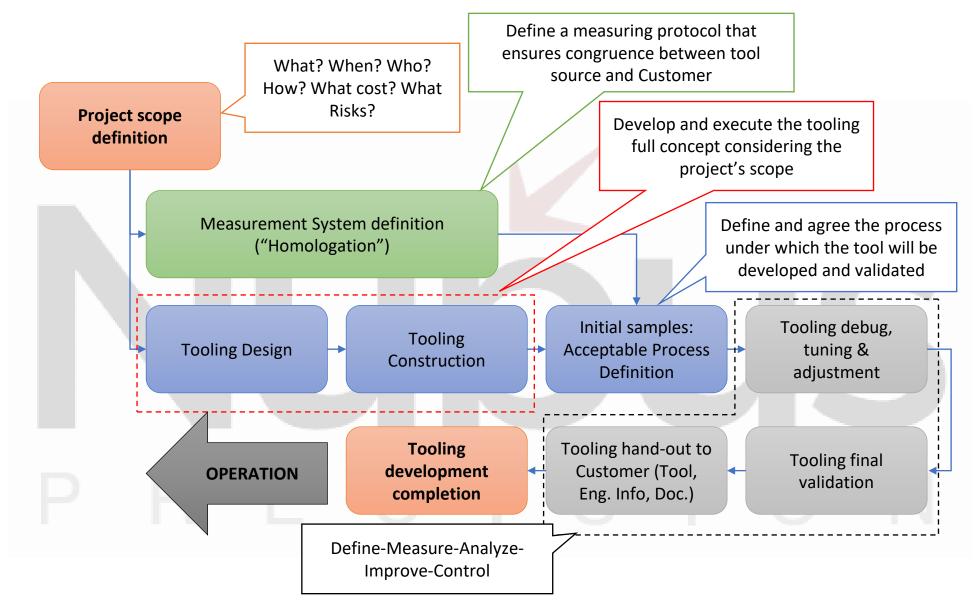


Process Overview



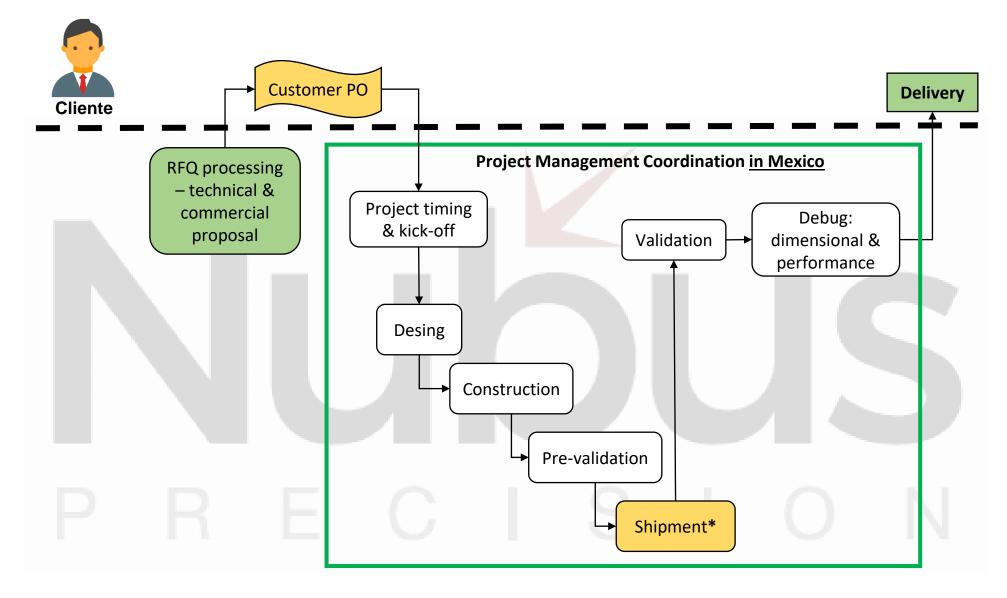


Tooling development detailed process





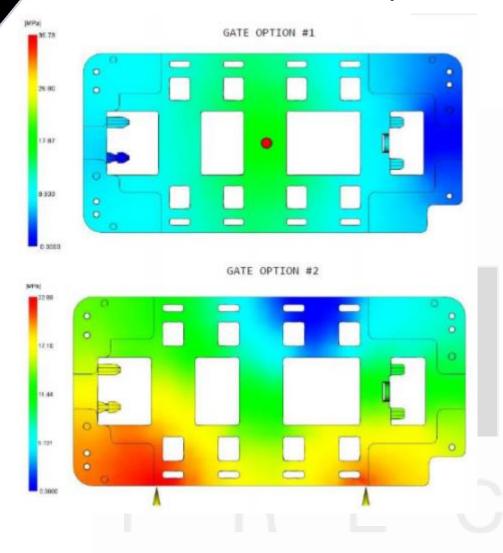
Tooling Project: development sequence



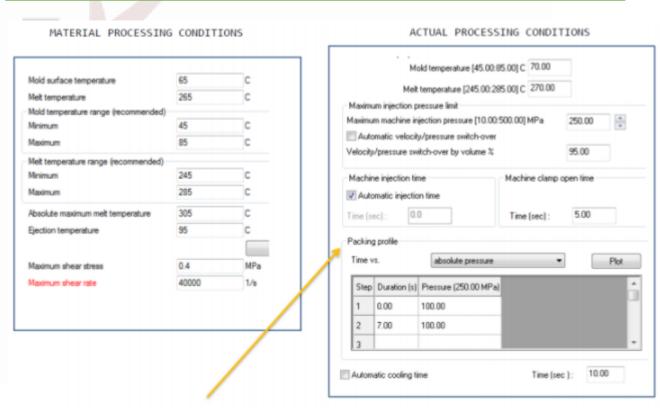
^{*} To customer facility for validation and customer's technical staff training by Nubus team



Mold flow analysis



Through Finite Elements Analysis we define the best part and tool configuration to maximize component dimensional stability and process efficiency

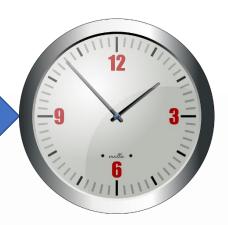




Benefits

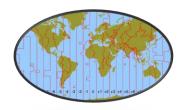


Customer benefits from <u>fast lead times</u> <u>and competitive costs</u>





No **time zone** restrictions



No **language** restrictions



Local Technical support





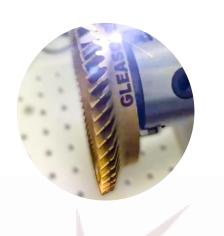
Some samples of our jobs



Nubus

Laser engraving & texturing

Our laser & EDM technology allows highdefinition shapes and textures on any metal, on flat or cylindric profiles











Our Technology





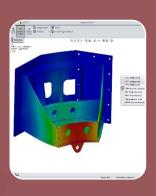












CNC Machining 4-axis

Laser microwelding

Grinding

EDM

Sandblasting

Laser engraving and texturing

Metrology Vision 3D

CAD



Our diferentiators



Pick-up and delivery FREE OF CHARGE*



Immediate response 24/7 & On-time delivery



Quality guarantee for every job

^{*} Within Guadalajara's Metropolitan Area, up to 1 Ton

To be recognized
as a key partner to drive
productivity and competitiveness to
world-class levels in the metal-mechanical industry



To actively collaborate with our Customers to eliminate down time, rework and inventory levels





Anticipation to customers need
Creativity to resolve our customer's problems
Attain our commitments and goals
Work hard and focused
1% better every day





admin2@nubus.com.mx engineering@nubus.com.mx





