

Dalrada Precision provides manufacturing solutions tailored to client-dependent needs. We're able to engage at any stage of the product lifecycle – from concept and design to mass production and coordination – in order to provide the highest value to your products.

## Industrial Machine Parts and Components

### A STANDARD OF SERVICE

Dalrada Precision delivers supreme value and reduces cost and time to market with industry-leading manufacturing capabilities that we make standard.

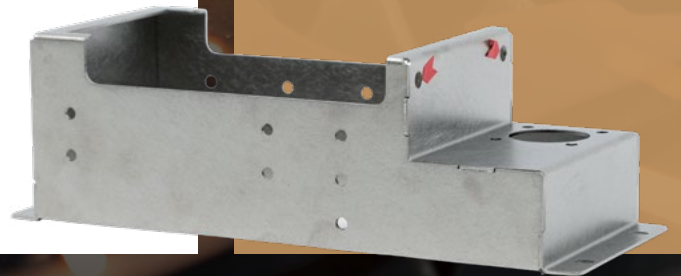
- In-House Product Development
- End-To-End Manufacturing Support
- OEM & Custom-Built Components
- PPAP – Standardized Capabilities
- Advanced Manufacturing Capabilities



### QUALITY AND EXECUTION

With our advanced Production Part Approval Process (PPAP) methodology, our clients are ensured of a detailed step-by-step process that focuses on top quality and execution.

- Quick turnarounds on quotes, samples, and shipments
- Testing capabilities and customized PPAP (no charge)
- Quotes: ready in 5-7 days or better
- Samples: ready to ship in 30-45 days or better (no charge)
- Production time: 30-45 days (plus shipping time)



MATERIAL		TYPE					
Aluminium	AL 7075	AL 6082	AL 6061	AL 5754	AL 5083	AL 5054	AL 2024
Stainless Steel	S/S 316	S/S 304	S/S 303	17-4H			
Tool Steel	440C	STAVEX	DF2	DF3			
Alloy Steel	760	709	705	1018			
Plastics	MONOCAST R2/R6	SEMITRON 420	PEEK MOD	ESD PEEK	TELFON	DERLIN	
Others	BRASS	COPPER	BRONZE	TITANIUM			

## CORE MANUFACTURING

- 3/5 Axis CNC Milling
- 3/7 Axis CNC Turning
- Fiber Laser Cutting
- Dual Servo Press-Brakes
- Aluminum & Zinc Die Casting
- Cable Assemblies
- Mechanical Assembly
- Plastic & Metal Injection Molding

### Secondary processing equipment:

Sand Blasting, Grinding, Ultrasonic Welding, Pad Printing, Silk Screening, Laser Etch, and more.

### Sheet metal capabilities:

2000w Laser, 45-Ton Press Brakes, MIG & TIG Welding, Secondary Finishing Processes, and more.

### Quality:

Multiple Co-Ordinate Measuring Machines (CMM) and Visual Measuring Machines (VMM) to ensure dimensional compliance.

## PRODUCT DEVELOPMENT

- Product Design
- Research & Development
- Reverse Engineering
- Concept 3D Design
- Cost Reduction/Material Selection
- Tool Design & Creation
- Packaging Design
- Kitting
- Production & Assembly
- Prototyping
- Testing

## MANUFACTURING SUPPORT

- Design for Manufacturability (DFM)
- Standard Operating Procedure (SOP)
- Standard Inspection Procedure (SIP)
- Bill of Material (BOM)
- First Article Inspection (FAI)
- Lot Code Traceability (LCT)
- Failure Modes & Effects Analysis (FMEA)
- Corrective Action/Preventative Action (CAPA)

## TYPES OF FINISHING

Applied coatings can last from 96 - 1,000 hours in artificial atmosphere corrosion testing.

- Passivation
- Phosphating
- Spray Painting
- Hot Dip Galvanizing
- Nickel Plating
- Silver Plating
- Tin Plating
- Zinc Plating
- Copper Plating
- Powder Coating
- Anodizing
- Gold Plating
- Chemical Polishing
- More



Dalrada Precision is ISO 9000:2015, AS 9100 Rev D, and ISO 13485:2016 certified with products manufactured and sourced from our facility in Penang, Malaysia and Shenzhen, China.

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**DALRADA**  
PRECISION