

LIBEREC

Solving Prototyping Needs *with Speed*

Precision Thin Gauge Metal Parts

Compelling Multi-Functional Products

Rapid Prototyping

Quality Production



Laird's Liberec, Czech Republic, metals prototyping and production site serves design engineers worldwide. We focus on safety, quality, precision parts, speedy prototypes, on-time delivery, and environmental sustainability.

We are an acknowledged global leader in engineering. Our innovative designs enable and protect applications threatened by disruptive electromagnetic interference and other structural or performance issues. Left unaddressed, each could bring your go to market plans to a sudden and unexpected stop.

Sometimes an EMI or other issue is spotted early. Sometimes it isn't. No one welcomes surprises like that. *It's why we're driven to deliver. Driven to help you.*

The bottom line is this: Many of today's applications require precision metal parts which are smaller, thinner, and lighter. Few competitors can match Liberec's prowess while also offering extremely tight tolerances and ensuring quick prototyping. None can match our seasoned employees and their craftsmanship. Their average tenure? More than 20 years.

CONTACT US.

You're getting a flying start on resolving your design performance challenges.

AMONG OUR MARKETS SERVED

Aerospace and Defense
Data Communications/Telecommunications
Electric Vehicle Component Design
Medical IoT and Portable Medical Devices
Augmented Reality and Virtual Reality
Consumer Electronics
Industrial Electronics, Automation
Automotive Telecommunication

OUR SPECIALTIES

Complex functionality including EMI shielding, multi-functional designs (thermal, absorber, fabric over foam, electrical conductive elastomer, dielectric materials such as DuPont® Kapton®)

Thin-gauge metals – shields, precision metal parts thick gauge <1.0mm

“Flexing” products and “very small” (e.g., battery contacts, clips)
Multiple types of alloys include: cold rolled steel, nickel silver, beryllium copper, phosphorus bronze, stainless, aluminum

KEY OVERALL ADVANTAGES

ISO + IATF certified

Speed of development – 5 days or less for 50-piece samples using standard materials, assuming no outside services including design, tooling

Short run production expertise

Reliability and performance – Laird in-house engineers simulate and analyze thermal, EMI, and mechanical issues with material properties to accurately predict lifetime, stress analysis, draw simulation, and more

Multi-functional or integrated solution capabilities – in addition to in-house dielectric coatings, laser welding and marking; Laird multi-functional absorber/thermal pad quickly sourced and use of in-house quick turn application

LAIRD'S Prototyping Expertise

Application of leading software tools - including PTC Creo, AutoCAD, and Solidworks

Rapid delivery - we consistently produce and deliver rapid prototypes in days

Predictive modeling capabilities - include Finite Element Analysis (FEA), EMI modeling, and deep draw simulations, along with accurate predictions of product lifetimes, ensure reliability and performance

Low-cost designs - we make prototyping simpler for you and keep costs low

Renowned flexibility

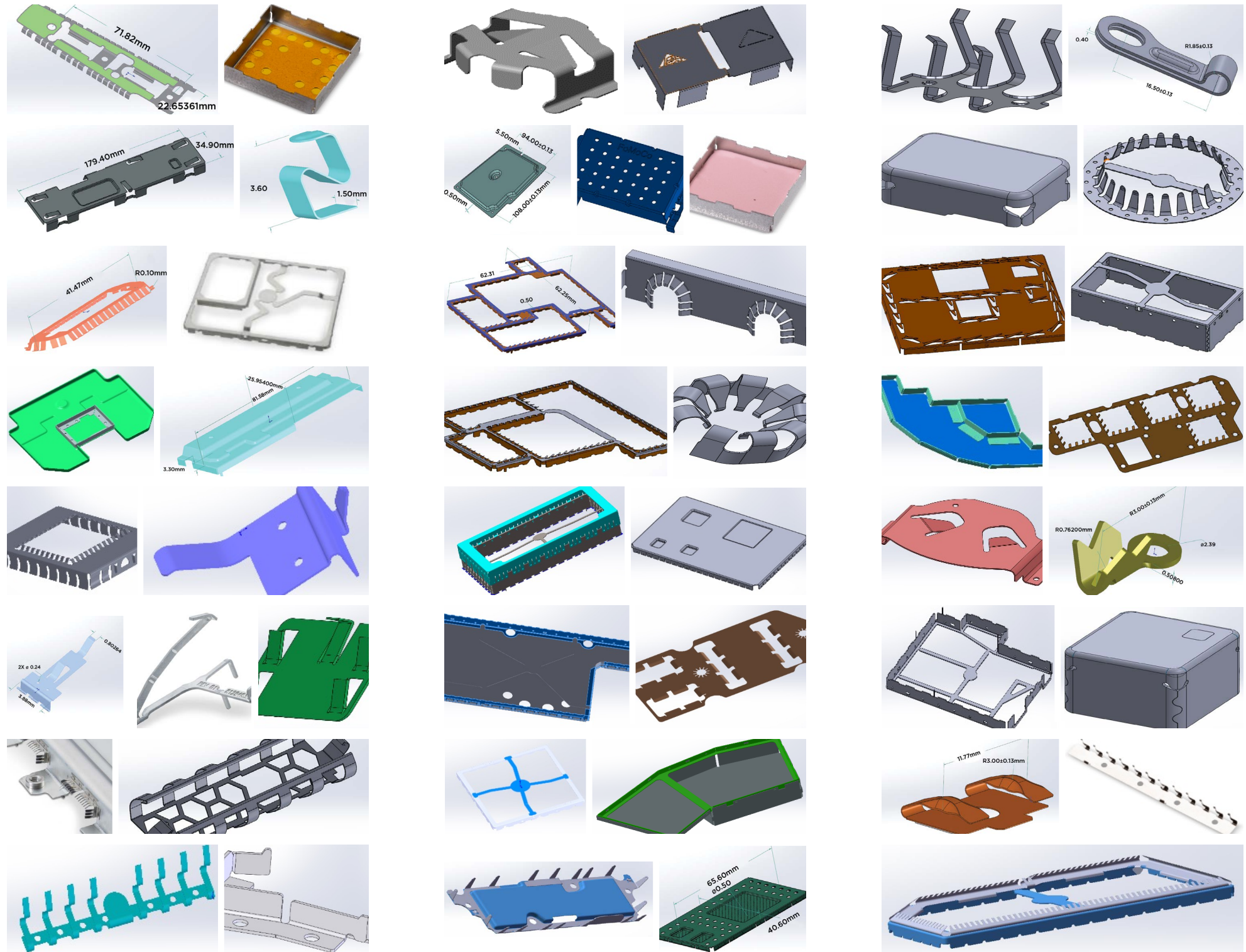
Talented team - we employ experts with hundreds of years of "talent" combined experience

In-house tooling designers and tool room allow for quicker turnaround time on prototypes

Huge capital resources - superior technologies to prototype and manufacture multi-functional protective solutions for electronic components

WE DELIVER. END TO END.

Laird's prototyping professionals will help you achieve the optimum EMI, structural, and multi-functional solutions to ensure efficient product manufacturability and packaging.



OUR COMPETITIVE EDGE:

COMPLETE SATISFACTION OF OUR CUSTOMERS

They recognize Laird Performance Materials for the consistent imagination and innovation we offer in precision and structural metals and multi-functional solutions

They trust us for reliable fulfillment, enabling them to deliver on plan and on budget and with high quality

They grow accustomed to our speed, giving them a distinct and powerful competitive advantage

They acknowledge us for our focus on sustainability, contributing to the value we bring to them

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