

LAIRD PERFORMANCE  
MATERIALS DELIVERS DESIGN  
ENGINEERING ANSWERS  
EARLY – THAT EFFECTIVELY  
KEEP EMI AND HEAT AT BAY.



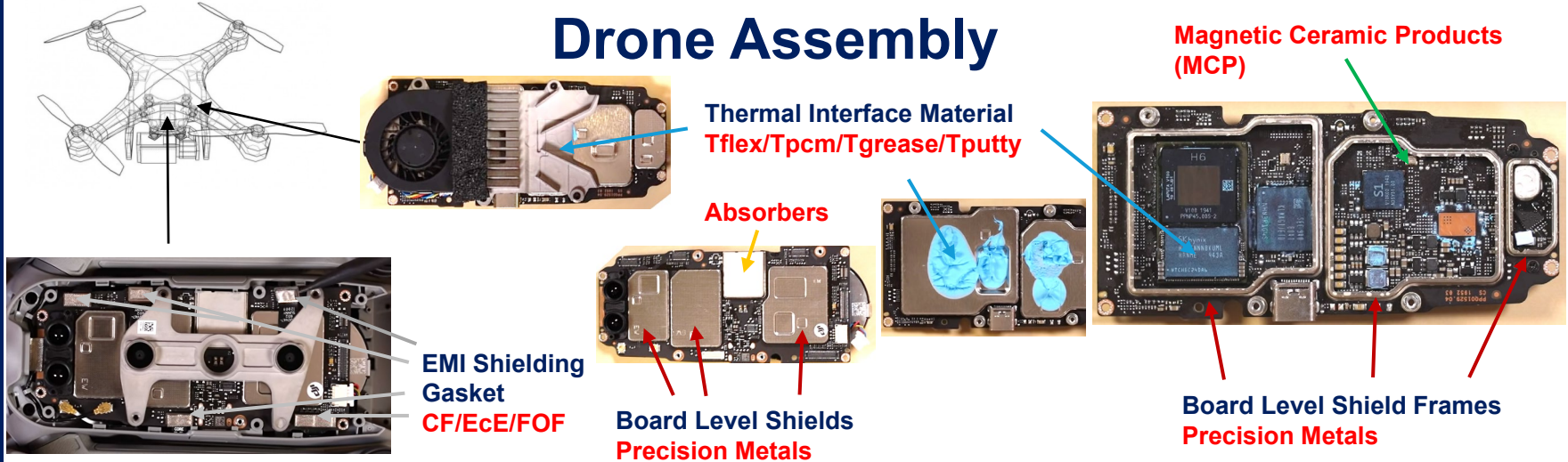
PERFORMANCE  
MATERIALS



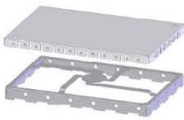
<https://www.atd-shop.com/>  
<https://www.atd-elektronik.cz/>

Performance  
Materials  
That Protect  
Electronics

## Drone Assembly



Precision Metals



Thermal Interface Materials



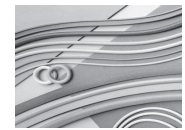
Magnetic Ceramic  
Product (MCP)



Conductive Foam (CF) and  
Fabric Over Foam (FOF)  
Seals/Gasketing



EcE and NCE Elastomer  
Seals/Gasketing



# Performance Materials Products

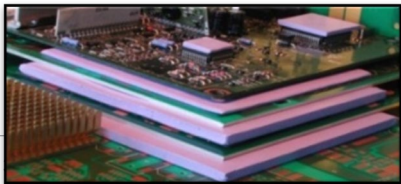


## Thermal Interface Materials

<https://www.atd-shop.com/qx713/tepelne-vodive-materialy>

- As an industry leader in high-performance thermal interface materials, with new products released this year, Laird offers the following categories:
  - **Gap filler pads** now up to 34 W/mK thermal conductivity.
  - **Thermal putties** with dispensing options.
  - **Phase change materials** now up to 7.5 W/mK.
  - **Thermal greases** ranging from 1-4 W/mK.
  - **Thermally-conductive insulators.**
- Additionally, Laird has the capabilities to die cut materials and offer dispensing options.

<https://www.atd-elektronik.cz/thermal-management-solutions-gap-filler-tepelne-vodive-materialy.html>



Laird Co



## Precision Metals

<https://www.atd-shop.com/qx611/emc-stinici-ramecky>

- Laird Performance Materials offers many different standard and custom lightweight precision metals such as:
  - **Board Level Shields** with lightweight and ultra low board level shields.
  - **Fingerstock and Spring Contacts.**
  - **Custom Metals** for structural support and/or EMI shielding.
- Added value capabilities with state-of-the-art software simulations to ensure product reliability.

<https://www.laird.com/products/enclosure-solutions/board-level-shielding-bls>

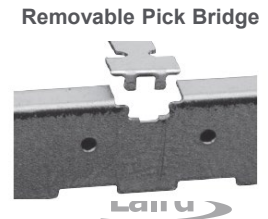
<https://www.laird.com/capabilities/precision-metals>



Recover Shield



Rigid Corner Patent



Removable Pick Bridge

Laird

# Performance Materials Products

<https://www.atd-shop.com/>



## Magnetic Ceramic Product

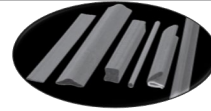
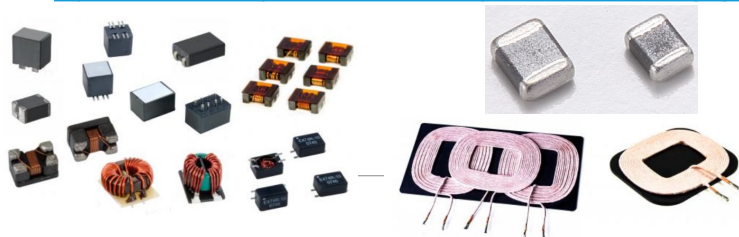
<https://www.atd-shop.com/qx51/emc-a-indukcnosti>

- There is a wide assortment of products within the Laird MCP line, our line includes:
  - Power inductors.
  - Common mode chokes.
  - Wireless charging coils & flexible ferrite sheets.
  - Ferrite chip beads.
  - Ferrite Cable Cores.
  - Baluns & Toroids.

<https://www.atd-elektronik.cz/smd.html>

<https://www.atd-elektronik.cz/ferity-do-plosneho-spoje.html>

<https://www.laird.com/products/inductive-components-wireless-charging-coils>



## EMI Gasketing

<https://www.atd-shop.com/qx61/emc-stineni>

- Laird offers EMI gasketing solutions for almost any application with high shielding effectiveness, our product line offers:
  - Conductive Foams (CF).
  - Fabric Over Foams (FOF).
  - Conductive Fabrics.
  - Electrically Conductive Elastomers (ECE).
  - Form In Place (FIP).
- There are many options for Laird gaskets from ultra soft materials (silicone or silicone free) to wire mesh materials.
  - All of which can come in custom profiles, die cut parts, or standard solutions.

<https://www.laird.com/sites/default/files/emi-cat-ece-080615.pdf>



Laird Confidential



## RF & Microwave Absorbers

<https://www.atd-elektronik.cz/mikrovlnne-absorbery.html>

- Laird offers many different absorber solutions spanning across a wide frequency range from cavity resonance to free space applications:
  - Injection Molded, Cast Liquids, and Thermoplastics.
  - Low Loss Dielectrics.
  - Elastomers and Films.
  - Absorbing Foams.
  - Gap Fillers.
  - Custom Magnetic Absorbers.

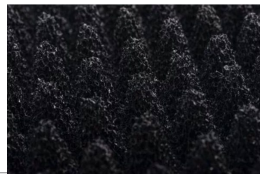
<https://www.laird.com/products/microwave-absorbers>



Eccosorb



Softzorb



Absorbing Foams

Laird Confidential



## Radomes

- Laird offers radome materials to enhance antenna signal performance and provide better impact resistance:
  - Radome5 LS.
  - Radome5 TP.
  - Radome5 Unity.
  - Radome Auto.
  - Rezorb.
- From injection molded material to custom made parts to fit an application, Laird has the capabilities to provide a solution for almost any antenna application.

<https://www.laird.com/products/multi-function-solutions-mfs-ise-integrated-solutions-engineered/structur-ise>



Radome5 Unity



Radome5 LS

# Performance Materials Products

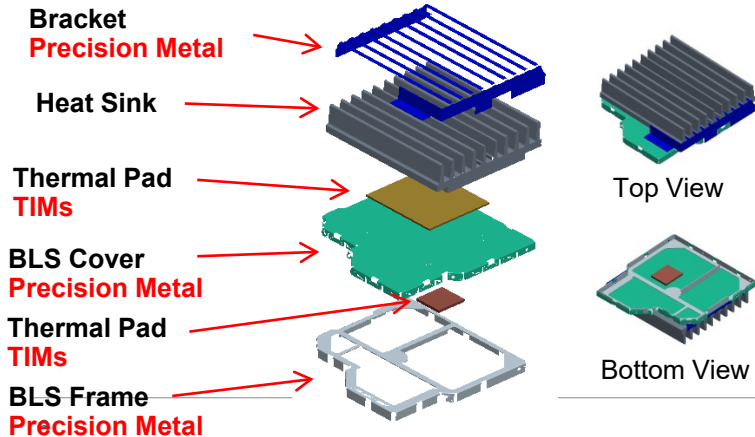
<https://www.atd-shop.com/>



## Multi-Functional Solution (MFS)

Laird offers MFS, showcased below, that combine multiple different product lines together to create a single package.

- **BLS + Insulation Layer** (Dielectric Coating).
- **BLS + Absorber.**
- **BLS + Graphite Heat Spreader.**
- **BLS + Thermal Interface Material.**
- **BLS + Black Paint** (aesthetic purposes).
- **BLS + Several Laird Components Combined.**



## Other Laird Product Offerings

Laird offers many different product spanning all electronic industries. Other product offerings that have not been discussed are listed below:

- **RF & Microwave Absorbers** with newly released products. Example imbedded below.
- **Radome Materials.**
- **EMI Tapes.**
- **Thermal Heat spreaders.**
- **Coolzorb** combines characteristics of our thermal and Absorber product lines into one.



New Release:  
NS1000 Datasheet



Radome5 TP  
Material



Radome5 TP



Graphite Over Foam  
(GOF)



NPI: NS1000 Series