



# A NEW BREAD of PARTS

Polymertal is an innovative Israeli company that Produce hybrid parts to address the complex requirements of modern industries by applying deep chemical surface etching technologies

## Introducing the HYBRID PART



### TECHNOLOGY

Polymertal’s chemical surface etching technology creates perfect adhesion that supports Metal plating on more than 100 Polymers bringing to the HYBRID PART the following additional properties advantages

- Improved mechanical properties
- Superior electrical conductivity
- Full moisture protection
- Heat convection

Technology is being kept as a trade secret and applications for three patents

### ACHIEVEMENTS

Polymertal has already taken over the Israeli market, with a successful POC and adoption of its products by Leading customers. In 2020, Polymertal’s sales to high-end customers will exceed 1.5 million USD.



### OPPORTUNITY

By 2023, the addressable market will exceed \$1.7 billion. Polymertal is leveraging its unique technology to lead the trend of replace metal parts by polymers.

Now is the time to expand on a global scale, by establishing sales, customer support, and production facilities in major locations, starting with Europe and US.

The focus is on high performance requirements for demanding applications in the aviation, space, defense, automotive, and communications industries.

### BEST of Both WORLDS

Polymertal hybrid parts are combination of polymer skeletons and external metal layers to provide the best of both worlds: the look, feel, and performance of metal with the lighter and more economical features of polymers.

Polymertal hybrid parts offer significant advantages over metal 3D printed parts:

- Up to 70% cost reduction
- Up to 60% weight reduction
- Over 50% reduction in production time
- No shape or size limitations

### Cleaner Plant



### LEADERSHIP

Ran Carmeli - CEO - Former Deputy CEO and COO Aeronautics, high-ranking officer (Ret.) Israeli Air Force

Dr. Sabina Ifraimov - V.P. R&D – Ph.D. in Chemical Engineering. Technion – Chemical Lab Manager for 7 years.

Guy Varon - B.D. Director B. Sc in Industrial Engineering, MBA , (Technion), Global Automotive and Aerospace, B.D. for 8 years

Yair Safrai - Executive Chairman -Former Founder and General Partner at Concord Ventures. Active Chairman of various companies