



# Hi-Cut (1985) Shilat Ltd.

## Line of Business

High Precision Metal Parts

## Established

1985

## Leading Executive

Daniel Schwartz

CEO

**H**i-Cut (1985) Shilat Ltd. has more than 20 years experience in electro-erosion. The company's combination of experience, know-how and advanced technological capabilities ensure that customers enjoy efficient and best value solutions in all stages of the production of parts.

## State of the Art Equipment

Hi-Cut owns the latest and most sophisticated equipment:

- Wire Cut Machines – Cutting with wire down to 0.07 mm
- E.D.M Machines & E.D.M Drilling
- C.N.C Milling Machines
- Vision Inspection Machine



Heat Exchanger - with Fins 0.2 mm

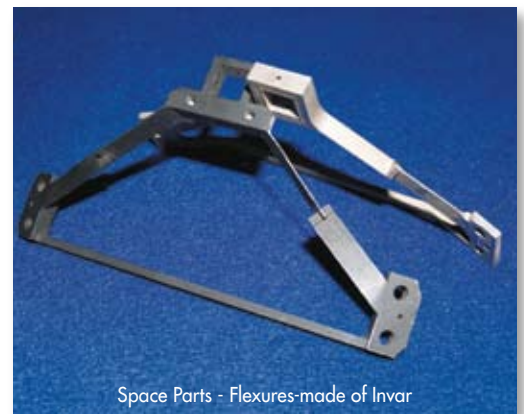
## Electro-Erosion With E.D.M. Investment

- Implementing precise and small grooves
- Electrode production in the factory itself using advanced technology
- Implementing E.D.M. to 0.01 mm. Accuracy including processing hard metals
- Deep drilling at small diameters

## Plastic Molding and Stamping

The company specializes in professional consultations throughout the production process from initial planning onto building blueprints and models through to the actual manufacturing.

Specializing in molds for small parts/medical parts/optical parts.



Space Parts - Flexures-made of Invar

## Electro-Erosion – Wire Cutting

- Specialization in part requiring complex geometry
- High speed capability in cutting which shortens production time
- Processing hard metals such as: Tungsten Carbide, Tungsten, and hard steels
- Special expertise in parts requiring thermal treatment during production.

## Implementing Capabilities

- Surface Quality Ra 0.2um
- Tolerance: = 0.002
- Cutting up to 30° angles
- 3D cutting
- High speed cutting
- Cutting using fifth axel assistance

## Die Stamping Tools

- Planning and production of multi-stage stamps including implanting modular segments
- Planning and production of stamps for punching small and precise holes
- Precise surface quality enabling long term work on parts
- Dies with small & precise holes - down to 0.5 mm diameter

## Specialties

- Heat exchangers with fins 0.2 mm
- Space parts/micro parts for medical industries/ electro optics parts.
- Balances – for wind tunnell

**hi-CUT** (85)  
SHILAT LTD.

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