



HAAS

Company history

Founded by Carl Haas in 1904 as a supplier to the watch and clock industry (balance wheel spiral springs)

Milestones of company development

- 1930 Development and manufacture of Nivarox spiral springs (temperature-compensating iron/nickel alloy in conjunction with Vakuumschmelze Hanau) for mechanical timepieces
- 1950 Start of production of spiral springs for electric measuring equipment and thermometers. Production of round wire springs and series production of stamped-bent parts
- 1970 Development and application of laser welding technology
- 1990 Production of electromechanical assemblies (plastic/metal composites)
- 2007 Member of the Kern-Liebers group of companies

Subsidiaries

- 1971 Spirel, Porto, Portugal
(manufacturing company with 52 employees)
- 2008 King International, Stribro, Tschechien
(manufacturing company with 42 employees)

Certification

1993	Q1
1996	DIN EN ISO 9001
2000	QS 9000 / VDA 6.1
2003	ISO / TS 16949, DIN EN ISO 9001
2007	DIN EN ISO 13485
2008	DIN EN ISO 14001

Legal form

CARL HAAS GmbH
Member of the KERN-LIEBERS group of companies

District Court Stuttgart HRB 480934
VAT ID no: DE 188920118
Customs no.: 4098323
Tax no.:15059/02109

Management

Hannes Steim, MBA / University of Toledo / USA

Development of sales

Sales 10/11	€ 25 m
Export share	51 %

Percentage of sales / market segments

Automotive industry	69 %
Medical technology	11 %
Measuring and control technology	11 %
Other	9 %

Employees

Total 186 persons employed

Building area

Approx. 11,000 m²

Machines

40 Spring winding machines

25 Laser welding machines, 4 are full automated systems

40 Automatic lathes

8 Stamping-bending machines

22 Injection moulding machines

CAD in use

Solid Edge

Data transfer: IGES; STEP; DXF; DWG; Parasolid

Pro/ENGINEER Wildfire 3.0

Data transfer: STEP; IGES; VDA; PAR; SAT; DXF; DWG

ME 10 2 D

Data transfer: DXF; IGES; DWG

Activities

Automotive industry

- Electromechanical assemblies
 - Plastic composite parts
 - Laser welded assembly components (coiled filaments)
- Spiral springs, wires, bands
- Compression springs
- Stamped-bent parts

Measuring and control technology

- Spiral springs
- Torsion bands
- Bimetal helixes
- Power measurement systems

Medical technology

- Spirals for tracheal tubes
- Reinforcement for catheters
- Guide wires
- Stone extractors
- Special products

Compression springs



Reliable connections

Resistors



Urethral-prosthesis



Ring-shaped coil



Progress follows tradition

Hairsprings



Movements for MDIs

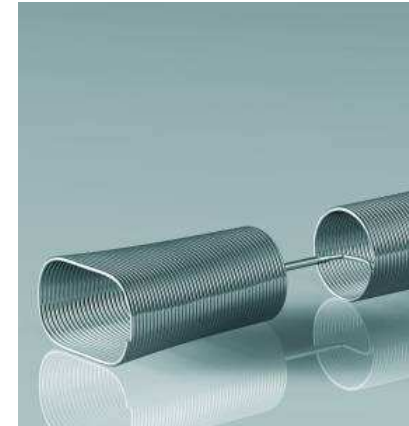


Bimetall helixes

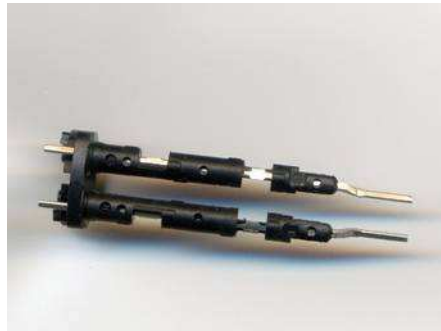


medical_division

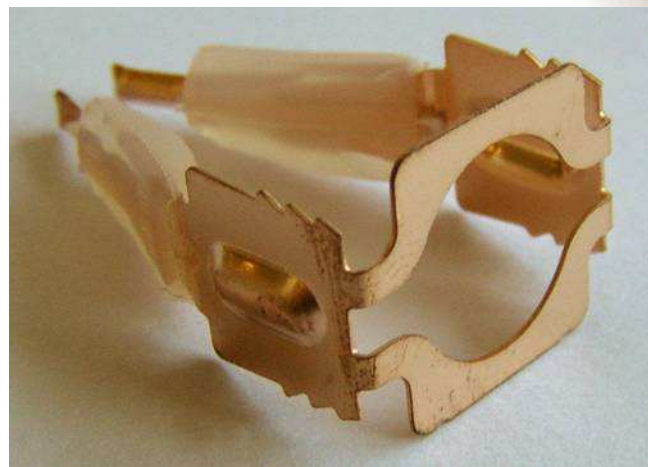
Guide wires / PTCA wires, Ureter prosthesis



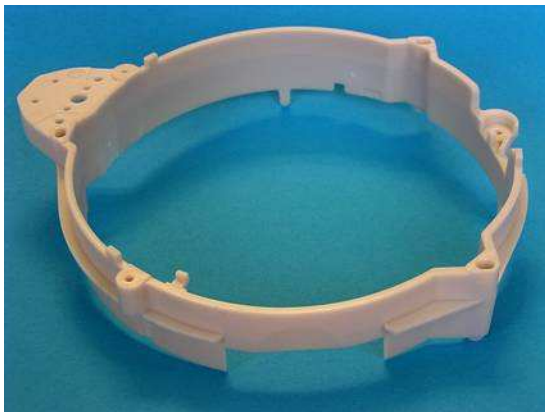
Connectors



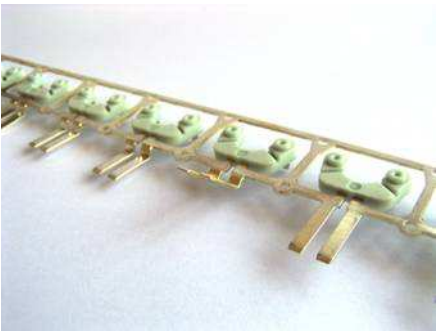
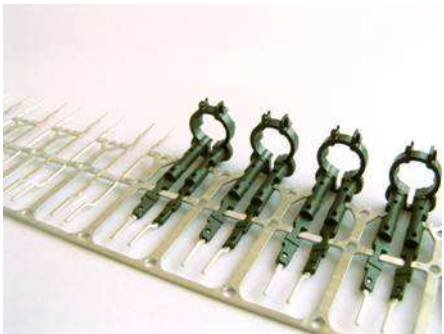
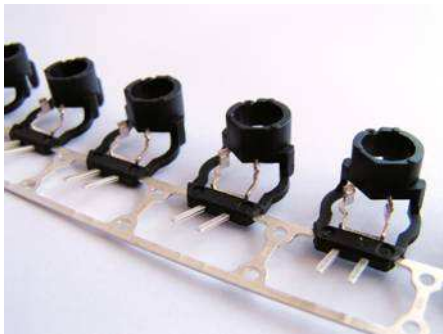
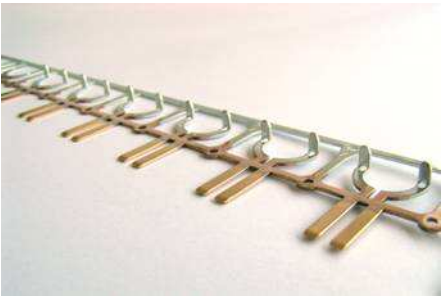
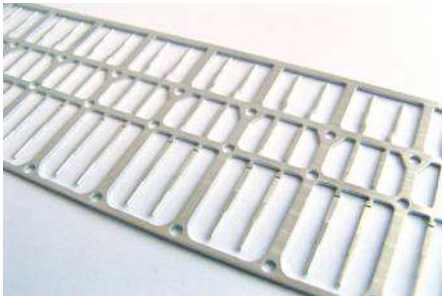
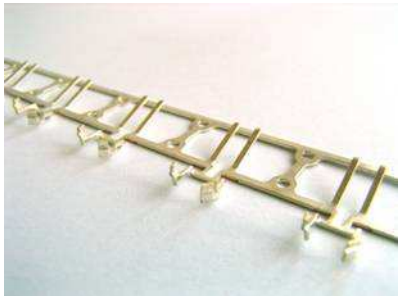
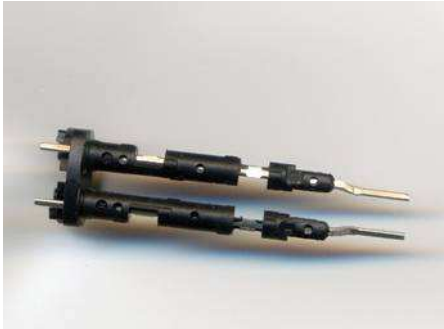
Metal Plastic Components



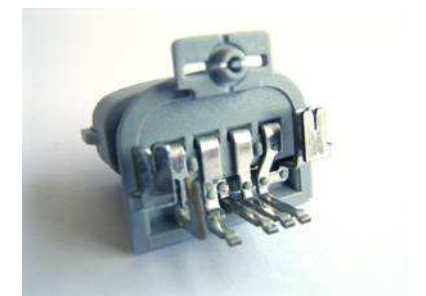
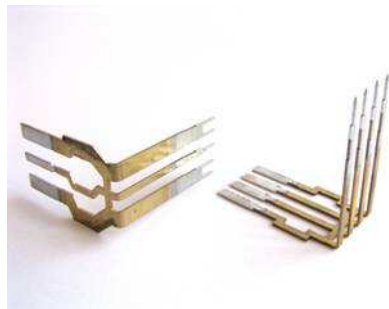
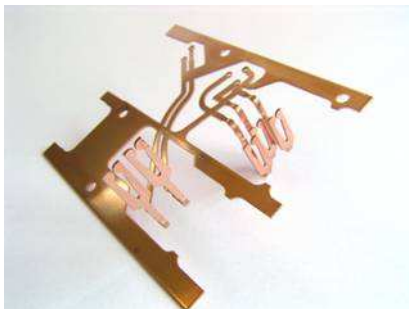
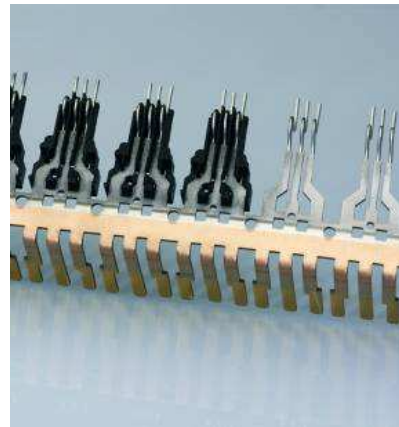
Decorative Parts, Assembled Parts, 2-Component Parts



Reel-to-Reel Production



Punching and Bent Components



Functional diagram (Effective from January 1st, 2011)



gültig ab 01.01.2011

