24/7
GLOBAL PRECISION STRIP
2 Mills 4 Service Centers / 7 Days a week
YOUR WISH IS OUR MISSION.
04
The global Zapp Group

08
Production location Unna/Germany

09
Production location Dartmouth/U.S.A.

10
Service Centers U.S.A./East Coast and West Coast

11
Service Centers Unna/Germany, Taicang/China

12
Zapp Precision Strip portfolio/linecard

14
Zapp certificates and accreditations

16
Contacts
THE GLOBAL ZAPP GROUP

>300 YEARS

15 LOCATIONS

1,300 EMPLOYEES

500 M USD SALES

SOLUTIONS
FROM PAST GENERATIONS FOR FUTURE GENERATIONS

Dartmouth
Stratford
Gurnee/Chicago
Santa Fe Springs
Pearland
Summerville
We are here

Unna / 228 Employees
Strip, Service Center Europe and Tooling Alloys

Dartmouth / 51 Employees
Strip

Service Center Stratford / 21 Employees
Strip

Service Center Santa Fe Springs / 14 Employees
Strip

Service Center Taicang / 27 Employees
Strip, Wire, Bar, Profile,
Specialty Materials, Tooling Alloys

Sales Office Pune / 2 Employees
Strip, Wire, Bar, Profile, Tooling Alloys,
Specialty Materials

Summerville / 65 Employees
Wire, Bar, Profile, Sales Tooling Alloys

Schwerte / 520 Employees
Wire, Bar, Profile, Service Center Specialty Materials

Ratingen / 70 Employees
Sales Specialty Materials, Tooling Alloys

Pforzheim / 80 Employees
Profiles, Components

Service Center Sheffield / 8 Employees
Wire, Bar, Profile

Service Center Gurnee / 9 Employees
Tooling Alloys

Service Center Pearland / 12 Employees
Wire, Profile

Sales Office Hong Kong / 5 Employees
Profile

Sandviken / 145 Employees
Wire, Bar, Profile
Over 300 years of Zapp

In 1701 in the village of Ründeroth, Germany, Hermann Zapp founded our company, which quickly became a specialist for high-grade, and high performance steels. Today, thanks to our global network of production, service centers and distribution sites we deliver our precision products quickly and reliably to our customers wherever they are in the world.

With our experience and expertise, we can help turn your ideas into reality. As a loyal partner, we can support you with both existing business as well as new projects.

The wider Zapp Group can supply you with the right product form for your specific needs: strip, wire, bar, profile, tube, CAD-CAM discs, and more from stainless steel, titanium materials, nickel, and CoCr based alloys or metal powders.

For over 300 years, we have continually invested in our people, technology and product portfolio. This progress has helped us to build a future for many more generations to come.
Stainless steel (ferritic, austenitic and martensitic) and nickel alloys.

A combination of world class rolling and finishing operations helps Zapp Precision Strip GmbH produce products with the tightest tolerances in respect of dimensional, shape and mechanical properties.

Specialties
- Ultra thin foils, down to a thickness of 0.0008”/0.020 mm
- Special heat treated products (tension annealed, super stress relieved)
- Ultra high strength strip (>2,000 MPa/290,000 Psi)
- Hardened and tempered martensitic strip
- Special surface conditions

Made in Germany
Size range for Unna products
Mill edge condition, thickness-/tensile ratio on request

<table>
<thead>
<tr>
<th>Thickness (inches/mm)</th>
<th>Width (inches/mm)</th>
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<tbody>
<tr>
<td>0.0008/0.02</td>
<td>0.08/2</td>
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<tr>
<td>0.004/0.10</td>
<td>13.4/340</td>
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<tr>
<td>0.002/0.05</td>
<td>14.96/380</td>
</tr>
<tr>
<td>0.0008/0.02</td>
<td>29.53/750</td>
</tr>
</tbody>
</table>

| 0.0008”/0.020 mm     | >290,000 Psi/2,000 MPa |

Founded: 1991 (new mill 2013)
Employees: 228
Floor space: 979,516 sq/ft (91,000 m²)
A wide range of stainless steel, nickel alloy and titanium strip.

As a thin strip specialist, Zapp Precision Strip Inc. provides its customers with comprehensive solutions for difficult to source thin metal precision strip.

Specialties
- Strip products in both thin thicknesses and wide widths
- Aerospace accredited products endorsed by industry and customer certifications
- Soft annealed to full hard (high yield) conditions
- Experienced and technically competent staff available for customer support
- Reliable logistics and program management service solutions
- Premium offerings of nickel and titanium grades

Made in U.S.A.
Size range for Dartmouth products
Mill edge condition, thickness-/tensile ratio on request

<table>
<thead>
<tr>
<th>Thickness (inches/mm)</th>
<th>Width (inches/mm)</th>
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</thead>
<tbody>
<tr>
<td>0.100/2.50</td>
<td>0.008/0.20</td>
</tr>
<tr>
<td>0.060/1.50</td>
<td>0.004/0.10</td>
</tr>
<tr>
<td>0.047/1.20</td>
<td>0.002/0.05</td>
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<tr>
<td>0.030/0.762</td>
<td>0.0008/0.02</td>
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</tbody>
</table>

Our specialty
Thin + Wide

Our standard
Precise + Consistent + Reliable
Zapp Precision Strip, Inc.

**STRATFORD, CONNECTICUT, U.S.A.**

**EAST COAST SERVICE CENTER**

Specialties
- Slitting
- Traverse winding (reel sizes from 10 lbs to 1,000 lbs/ ~ 450 kg) using high-quality in-line laser welding.
- Edge profiling/deburring
- Quick delivery turn-around
- Inventory, service solutions, logistics
- Able to process small quantity orders
- Customized packaging solutions available
- Toll services available

Founded: 2007
Employees: 21
Floor space: 30,000 sq/ft (~2,800 m²)

Zapp Precision Strip, Inc.

**SANTA FE SPRINGS, CALIFORNIA, U.S.A.**

**WEST COAST SERVICE CENTER**

Specialties
- Slitting
- Winding
- Cut-to-length
- Inventory, service solutions, logistics
- Rapid response to customer inquiries/requests
- Quick delivery turn-around
- Able to process small quantity orders
- Supply of wide widths up to 41.50”/1,054 mm and as thin as 0.002”/0.050 mm in thickness

Founded: 1999
Employees: 14
Floor space: 25,000 sq/ft (~2,350 m²)
Zapp Precision Metals GmbH

UNNA, GERMANY
SERVICE CENTER

Specialties
- Slitting
- Winding (various coil IDs)
- Cut-to-length
- Wide range of inventory (focus on thin/wide)
- Able to process small quantity orders
- Service solutions, customer specific logistics, express shipment

Founded: 2005
Employees: 8
Floor space: 16,150 sq/ft (~1,500 m²)

Zapp Precision Metals (Taicang) Co., Ltd.

TAICANG, CHINA
SERVICE CENTER

Specialties
- Slitting
- Leveling
- Winding
- Edge profiling
- Cut-to-length
- Sawing
- Laser and water jet cutting
- Inventory, service solutions, logistics

Founded: 2007 (expansion 2020)
Employees: 27
Floor space: 64,585 sq/ft (~6,000 m²)
How your production benefits from our products

Low failure rates
Increased plant utilization
High quality standards
Sophisticated process management
Highest reproducibility
Increased productivity
Optimal results

CUSTOMER ADVANTAGES

Process-reliable material — high reproducibility.
Our vision

Only those moving forward remain at the top. Whether it is automotive, electronics, aerospace or medical technology – together we ensure that our lives and those of the next generations become easier, better and safer.

Far beyond standard.
The microstructure, grain size and cleanness of our strips is assessed by the detailed inspection of metallographical sections.
### Choice of materials

<table>
<thead>
<tr>
<th>DIN-Steel name</th>
<th>AISI/SAE</th>
<th>UNS</th>
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<tbody>
<tr>
<td><strong>Precipitation hardening steels</strong></td>
<td></td>
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<tr>
<td>1.4457</td>
<td>8CrNiMo17-5-3</td>
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<tr>
<td>1.4542/1.4548</td>
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<tr>
<td>1.4980</td>
<td>X5NiCrTi26-15</td>
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<td><strong>Iron-nickel alloys</strong></td>
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<tr>
<td>1.3912</td>
<td>Ni36</td>
<td>F1684</td>
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<td><strong>Nickel/nickel based alloys</strong></td>
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<tr>
<td>2.4068</td>
<td>LC-Ni99</td>
<td>Alloy 201</td>
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<td>2.4360</td>
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<td>Alloy 400</td>
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<td>Alloy C-22</td>
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<td>NiCr15Fe</td>
<td>Alloy 600</td>
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<td>2.4851</td>
<td>NiCr23Fe</td>
<td>Alloy 601</td>
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<td>Alloy 718</td>
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<td>NiCr15Fe7TiAl</td>
<td>Alloy 688, Alloy X-750</td>
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<td>NiMo16Cr15W</td>
<td>Alloy C-276</td>
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<td>Alloy 864</td>
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<td><strong>Titanium/titanium alloys</strong></td>
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<td>3.7025</td>
<td>Ti Grade 1</td>
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<tr>
<td><strong>Grade 9</strong></td>
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<td><strong>High carbon, only hardened and tempered</strong></td>
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<tr>
<td>1.1274</td>
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ZAPP CERTIFICATES AND ACCREDITATIONS

97/23/EG & AD2000-W 0
Pressure container
Precision Strip
Germany and U.S.A.

ISO 50001
For the Zapp Group
Germany
ISO 9001
For the Zapp Group

AS 9100
For aeronautical applications
Precision Strip, Inc. U.S.A.

IATF 16949
For automotive applications
Precision Strip Germany
(Schwerte and Unna)
Precision Wire, U.S.A.
(Summerville)
Titanium grades  Nickel alloys  Stainless steels

Testing and R&D Services
- Quality inspection
- Metallurgical laboratories
- Material testing
- Performance testing
- Chemical analysis and corrosion testing

Logistics
Individually agreed logistics concepts such as consignment, safety stock and call-off schedules, allow for short, reliable lead times wherever you are in the world.
With our experience and expertise, we ensure that you can turn your ideas into reality. From past generations – for future generations! We are your partner for your projects and can carry out various manufacturing steps, such as cutting and straightening, prior to delivery.
CONTACT

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