

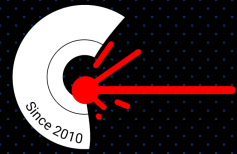
DeMa Tools

QUALITY MEETS INNOVATION

Global tool solutions for the
wire and tube industry



History



DeMa Tools

Founding

Ziehsteinpoliererei

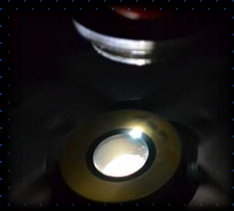
Dennis Schumacher

2010



2016

Purchase of First Semi-Automatic Laser



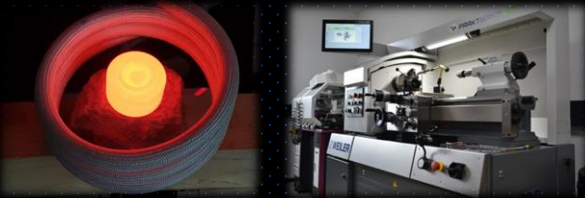
Purchase of a fully automatic laser with a magazine of up to 120 dies. Unique in Europe!

2018



2019

Starting of own Mounting of Drawing Dies



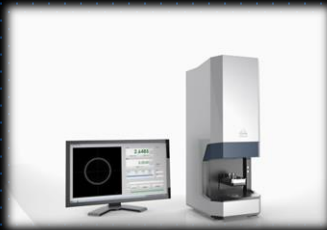
2021



Move to new production hall

2023

purchase Full profile measuring device for drawing dies



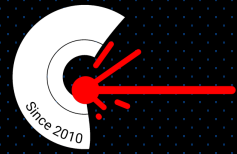
2023

Merger for DeMa Tools GmbH



DeMa Tools

The Company



DeMa Tools

DeMa Tools is an innovative company that specializes in providing its customers with high-quality products and services covering the needs of the wire and tube industry.

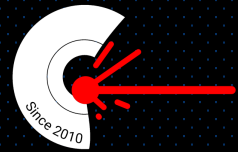
Our team consists of highly qualified experts who have many years of experience and expertise to offer the best possible solutions for your individual requirements.

At our production site in 35764 Sinn (Germany), we have the most modern and innovative machines for producing drawing tools. This allows us to offer fast service in Europe.

You are welcome to visit us on site and get an idea of our know-how.



Product Portfolio



DeMa Tools



Wire Drawing Dies with nibs as follows:
Natural Diamond
Monocrystalline Diamonds (Monodie)
Polycrystalline Diamonds (PCD)
Tungsten Carbide



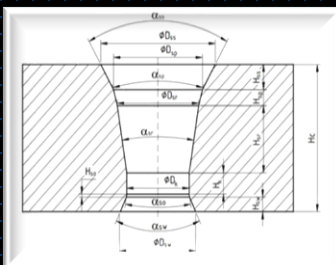
Stranding and Compacting tools with nibs as follows:
Polycrystalline Diamonds (PCD)
Tungsten Carbide
Diamond Coating



Coating tools with nibs as follows:
Natural Diamond
Polycrystalline Diamond (PCD)
Tungsten Carbide

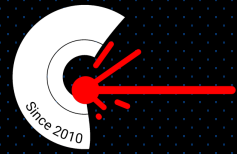


Extrusion- and Specialtools
Shaped Dies
Shaving Dies
Pressure Dies
Waterjet Nozzles



Service
Recutting and Repolishing-Service
Help and Service in-house
Consulting

Wire Dies as Natural Diamond- Or Monodie



DeMa Tools



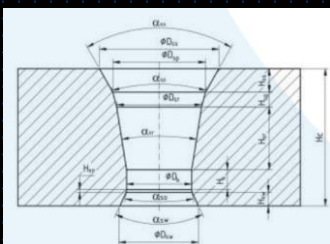
DeMa Tools offers a large selection of natural diamonds for wire and tube drawing. Through strict and precise selection, the natural diamonds are processed in their hardest 111 orientation to guarantee the greatest possible wear resistance.

Monocrystalline diamonds are an alternative to ND to guarantee even tool wear.

Advantages:
Best Surface Results
Finest Wire down to 0,012 mm
Precise tolerances

Application:
Stainless Steel Wire
Saw Wire
Alloys (Gold, Cu, Al)
EDM Wire

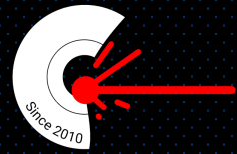
Selection of Natural Diamond Sizes



Neustein		Nacharbeits-Bereich
mm	ND-Größe	mm
0,050 - 0,099	1#	0,100 - 0,200
0,100 - 0,199	2#	0,201 - 0,300
0,200 - 0,299	3#	0,301 - 0,400
0,300 - 0,399	4#	0,401 - 0,500
0,400 - 0,499	5#	0,501 - 0,600
0,500 - 0,599	6#	0,601 - 0,700
0,600 - 0,799	8#	0,801 - 0,900
0,800 - 0,999	10#	0,901 - 1,099
1,000 - 1,199	12#	1,101 - 1,299

PCD – Drawing Dies

Polycrystalline Diamonds



DeMa Tools



PCD drawing dies are the ideal choice for long production times compared to ND, Mono and HM materials.

PCD diamonds are available in different grain sizes and designs. They are characterized by longevity and high wear resistance.

Advantages:
 High Wear Resistance
 Diameter of 0,075-30 mm
 Different grain sizes

Application:
 Stainless Steel Wire
 Saw Wire
 Welding Wire
 Copper

Typical Reduction Angles for different Metals

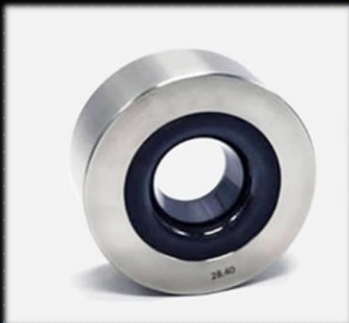
Verlängerung	Querschnitts- verminderung	Zink Silber Gold	Harte Al- Legierungen Nickel Kupfer	Bronze Kupferlegierungen Edelstahl	High-Carbon Stahl	Heißzug von Wolfram
5 - 9 %	5 - 8 %	14	10	9	8	10
9 - 14 %	8 - 12 %	16	12	11	10	10
14 - 19 %	12 - 16 %	18	14	13	12	12
19 - 33 %	16 - 25 %	22	18	16	15	14
33 - 54 %	25 - 35 %	24	22	18	18	16



Coating Nozzles

Natural Diamond Nozzles
PCD-Nozzles
Tungsten Carbide Nozzles

For Coating of Copper and Aluminium –Wire,
Ultra-precise Nib



Nano-Diamond-Coated Tools

1,00 – 120 mm in Diameter available with
Diamond-coated carbide cores for drawing copper,
aluminum, steel. Also suitable for compacting or
stranding.

Better surface than PCD tools, 10-20 times longer
service life than HM tools



Tungsten Carbide Tools

Available diameters: 0.50 – 120 mm
For drawing wire, rods, pipe, copper, aluminum
and ferrous and non-ferrous wire types.
Very cost effective

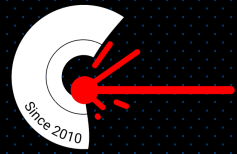


Shaped Dies

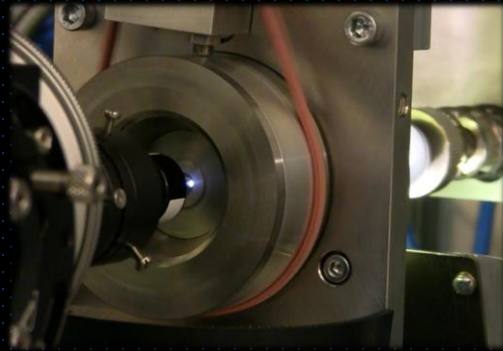
Available shapes: square, rectangle,
Triangle, hexagon, etc.
The core insert can be made of
hard metal or PCD.

High-quality repair service in Germany

Repolishing or Recutting - Service



DeMa Tools



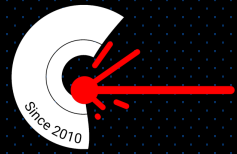
DeMa Tools offers a repair and maintenance service in Germany.

Benefit from short distances and fast service.

Your satisfaction is our greatest success. We always strive to exceed your expectations and provide you with a reliable and timely repair.



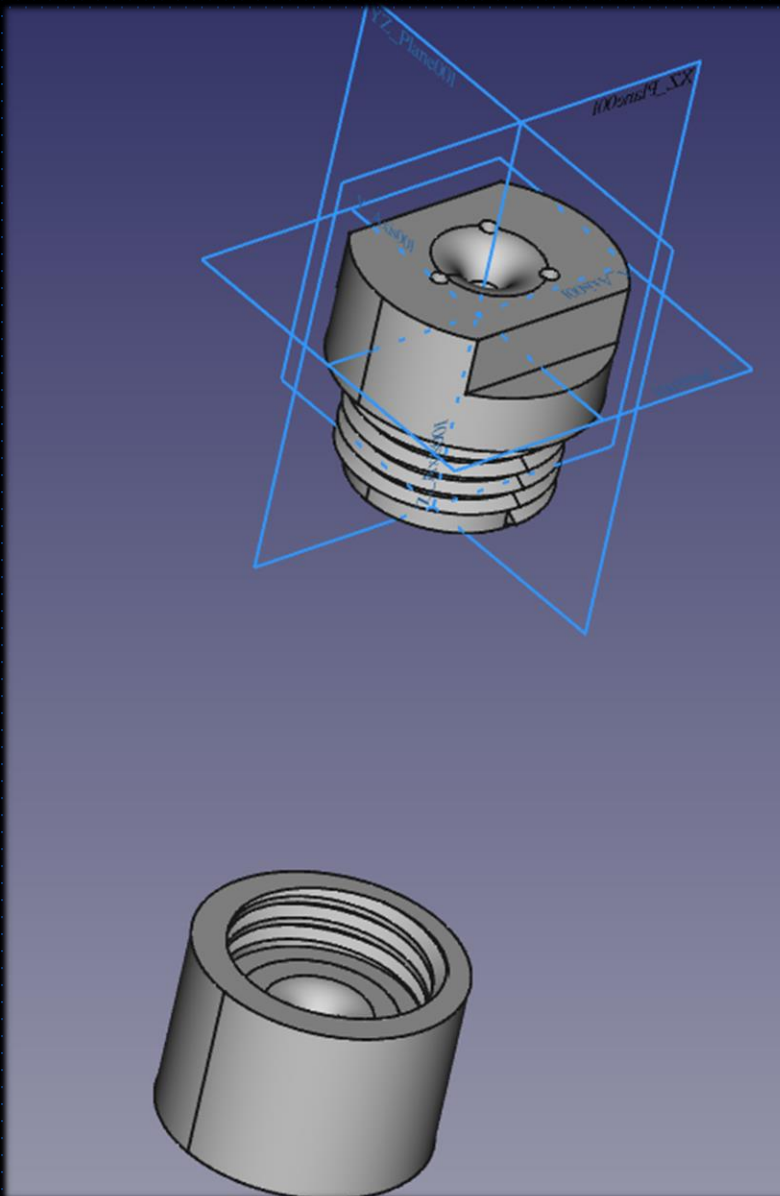
Special Tools



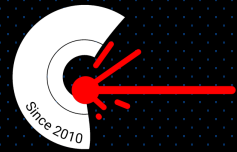
DeMa Tools

DeMa Tools offers special tools that are manufactured according to the customer's individual requirements and needs.

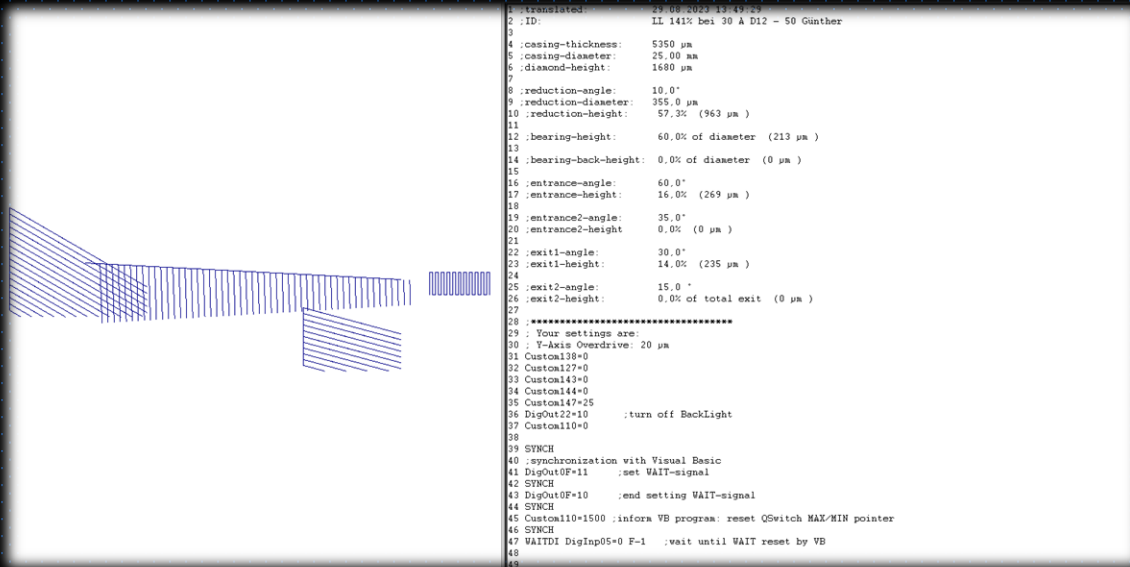
By mutual agreement, DeMa Tools is your partner to further advance innovations, new materials and process options and to grow together.
Contact us.



Trust through reliability



DeMa Tools



Our commitment to the highest standards and best-in-class results has made us a trusted partner for companies around the world.

At DeMa Tools we stand for quality, reliability and excellent customer service. We are ready to assist you with any project. Contact us today to find out how we can support you.

DeMa Tools GmbH

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