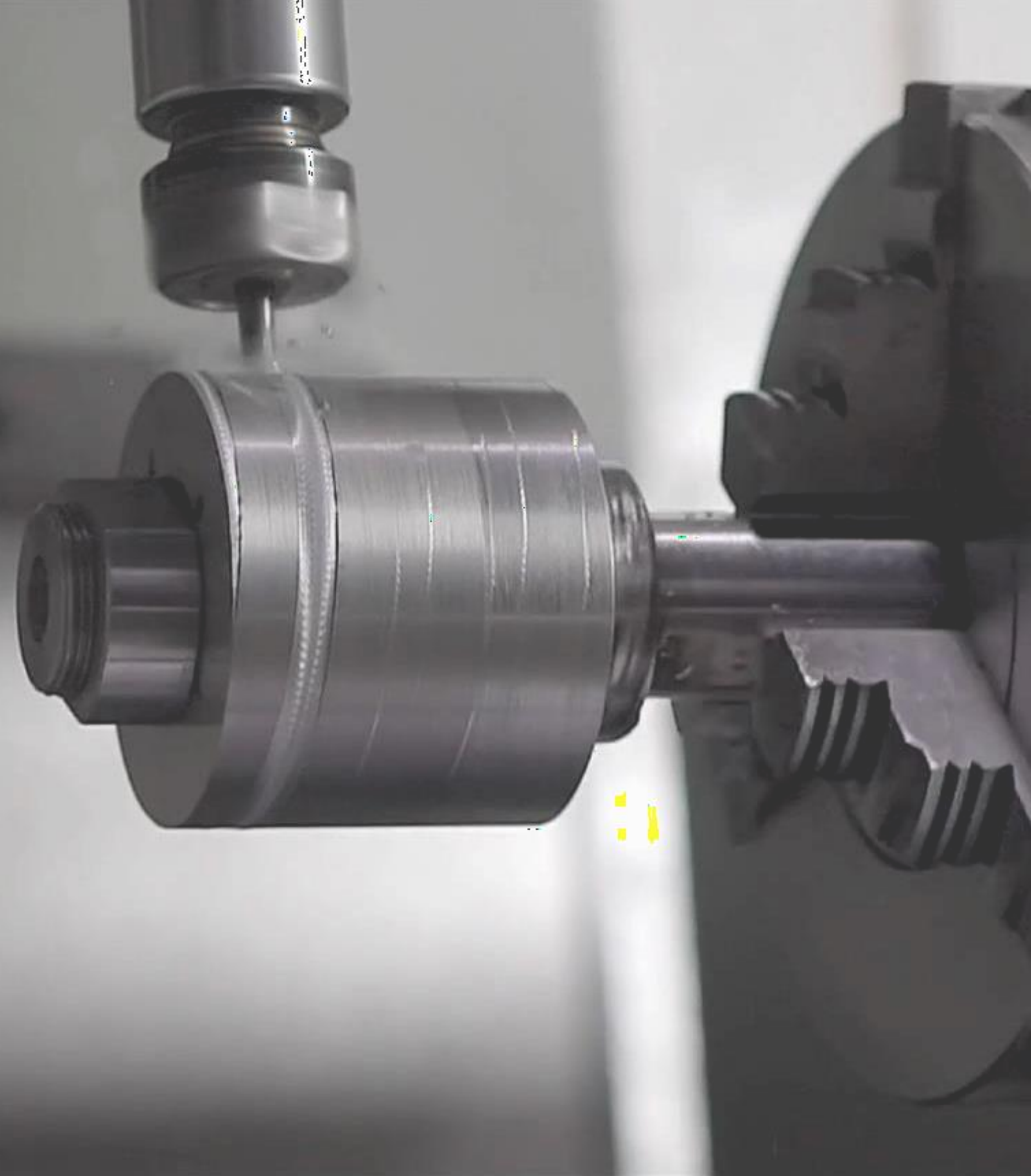


MANRO company

Engineering and production of the spare parts for the extrusion equipment



Tel.:+49 211 946 24 156

Mob.: +49 157 501 51869

E-mail: eu.sales@gkmanro.com

About company



The main activities of the Manro GmbH are engineering and production of the components and spare parts for the extrusion machinery, using in the different industrial branches.

Advantages of working with us

Manufacturing of elements acc. to your samples and drawings

Broad experience in the production of screw elements since 2009

All the work is done with the modern and high-quality equipment by DMG MORI

We produce and supply parts in the shortest time

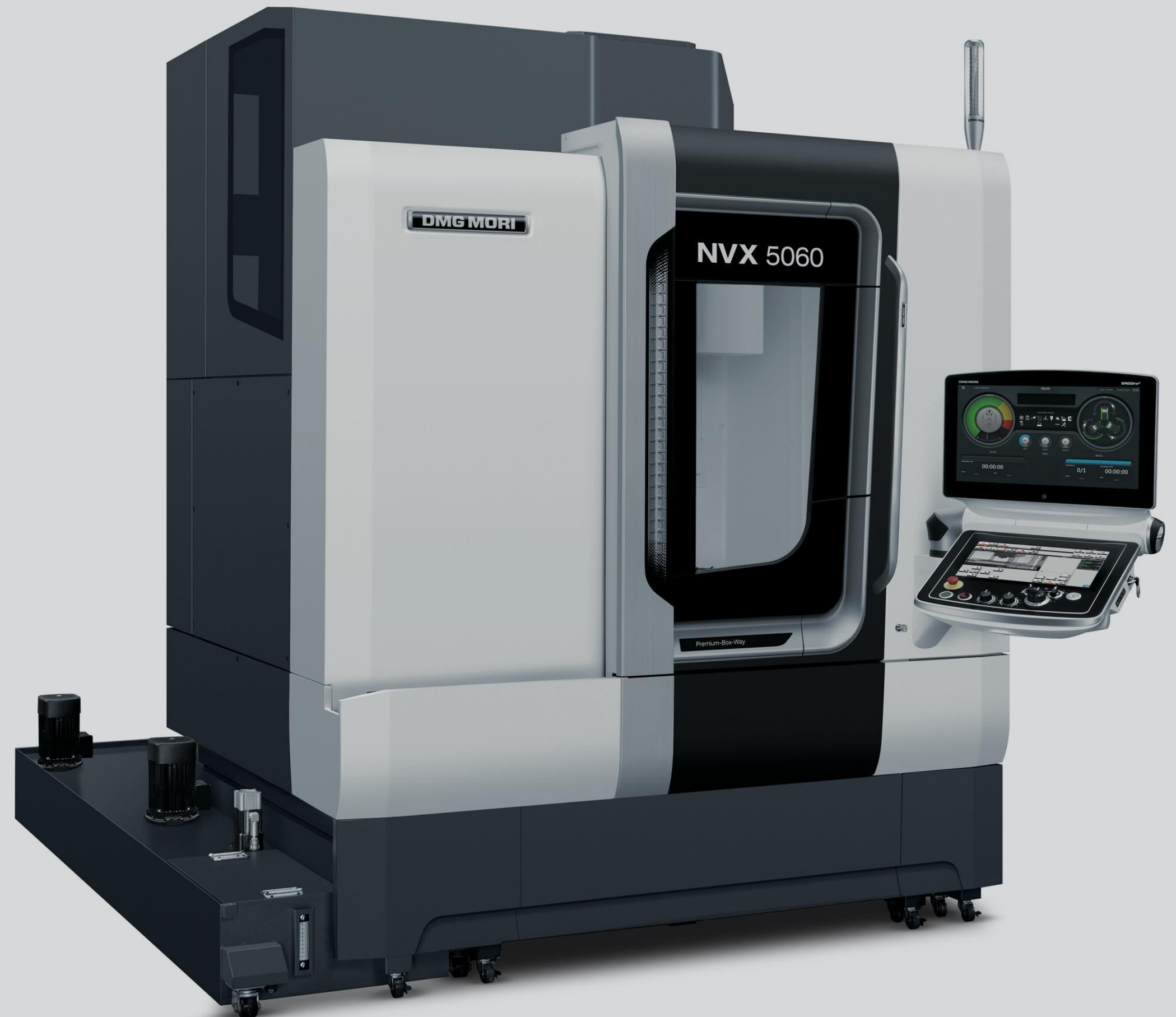
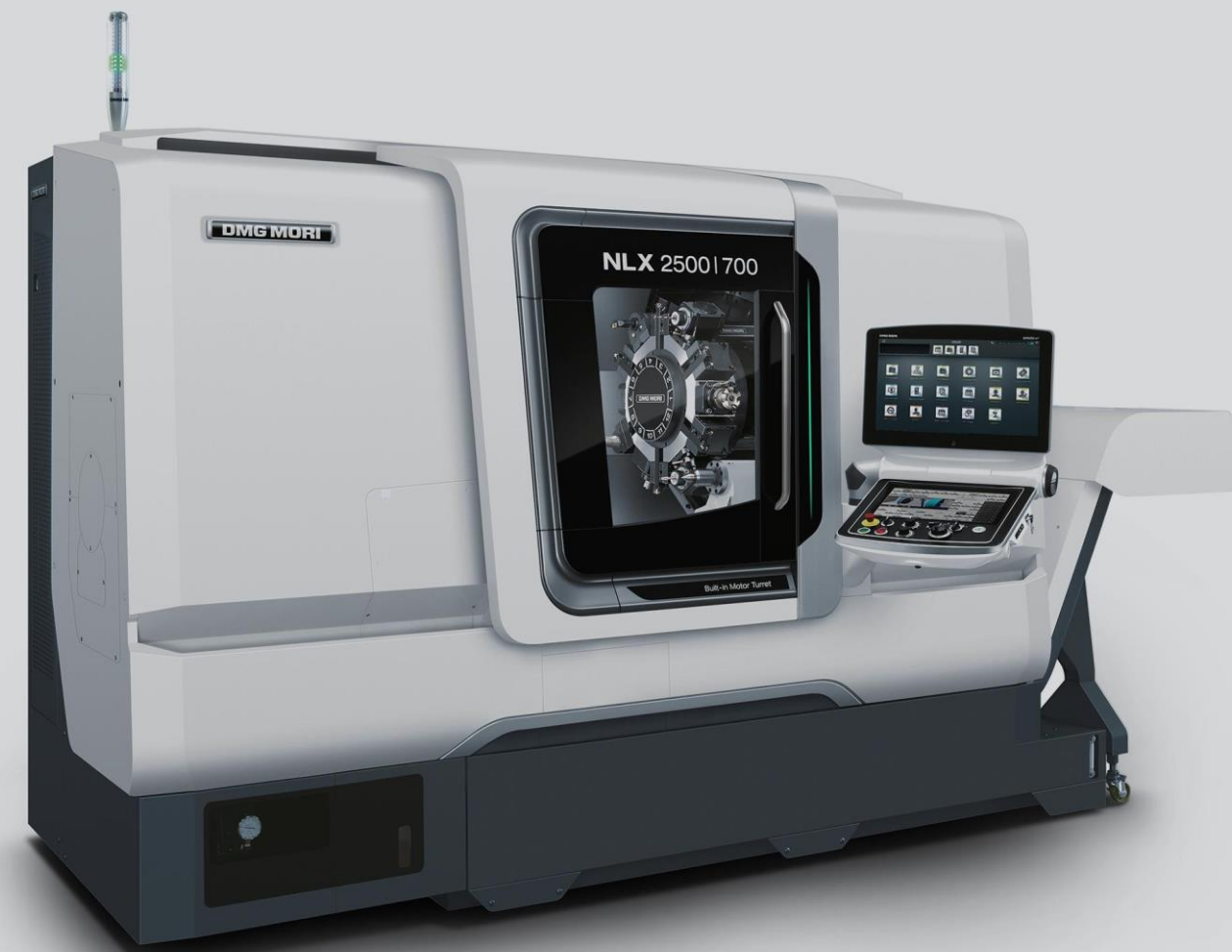
After sales service

In our manufacturing, we use only high-quality materials

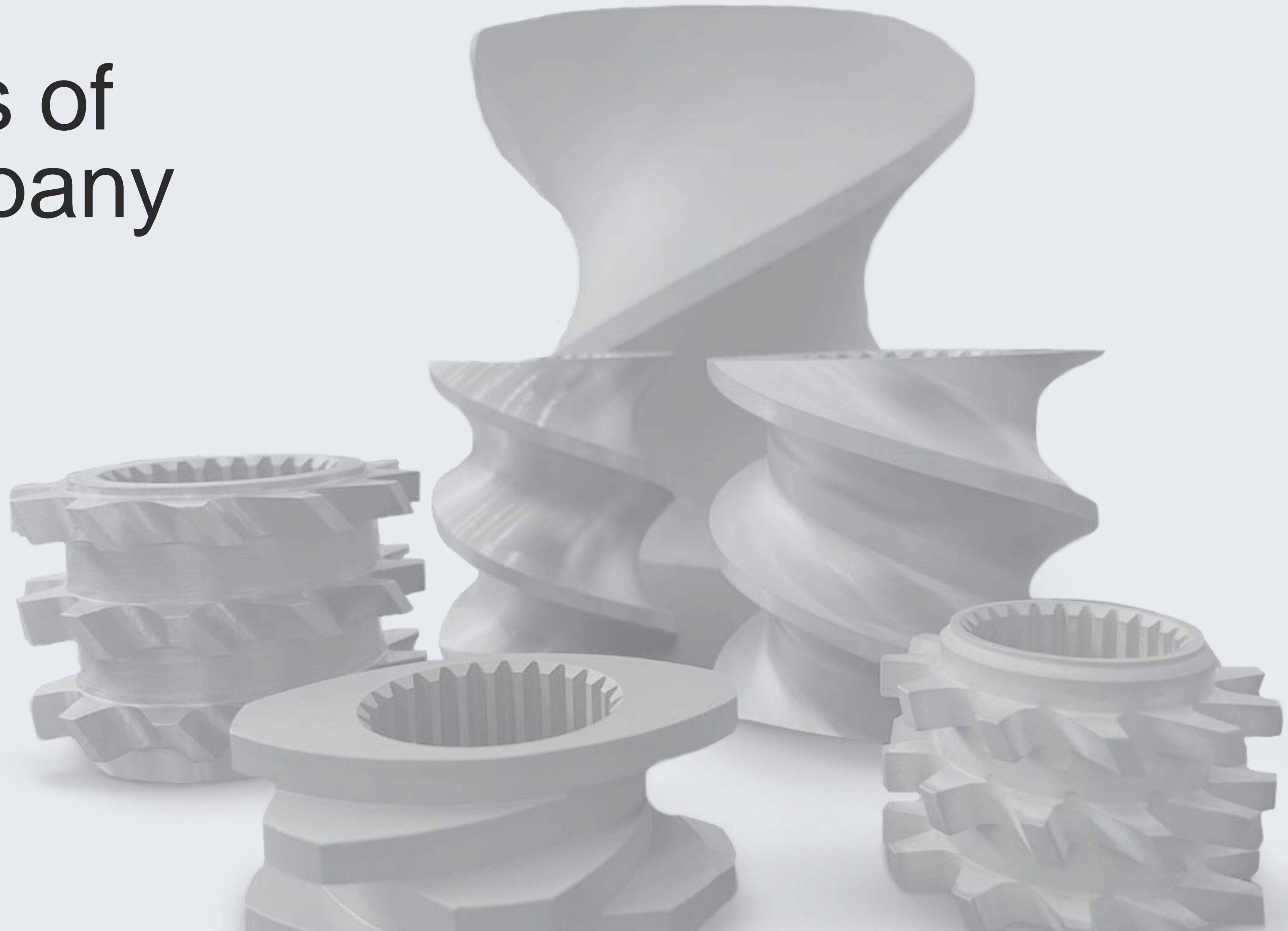
Equipment

To produce spare parts for extruders, at our disposal are best cutting edge machinery of world-class manufacturers as DMG MORI and Hyundai

www.dmgmori.com



Products of the company



Screw elements

We produce screws and screw elements for different extruders and side feeders. This is one of the main delivery programs of our company.

We have a broad knowledge base for engineering and production of the screw elements for different twin-screw extruders of various world producers.

If you do not find the necessary brand of equipment, our specialists replicate a spare part for you with the highest precision.

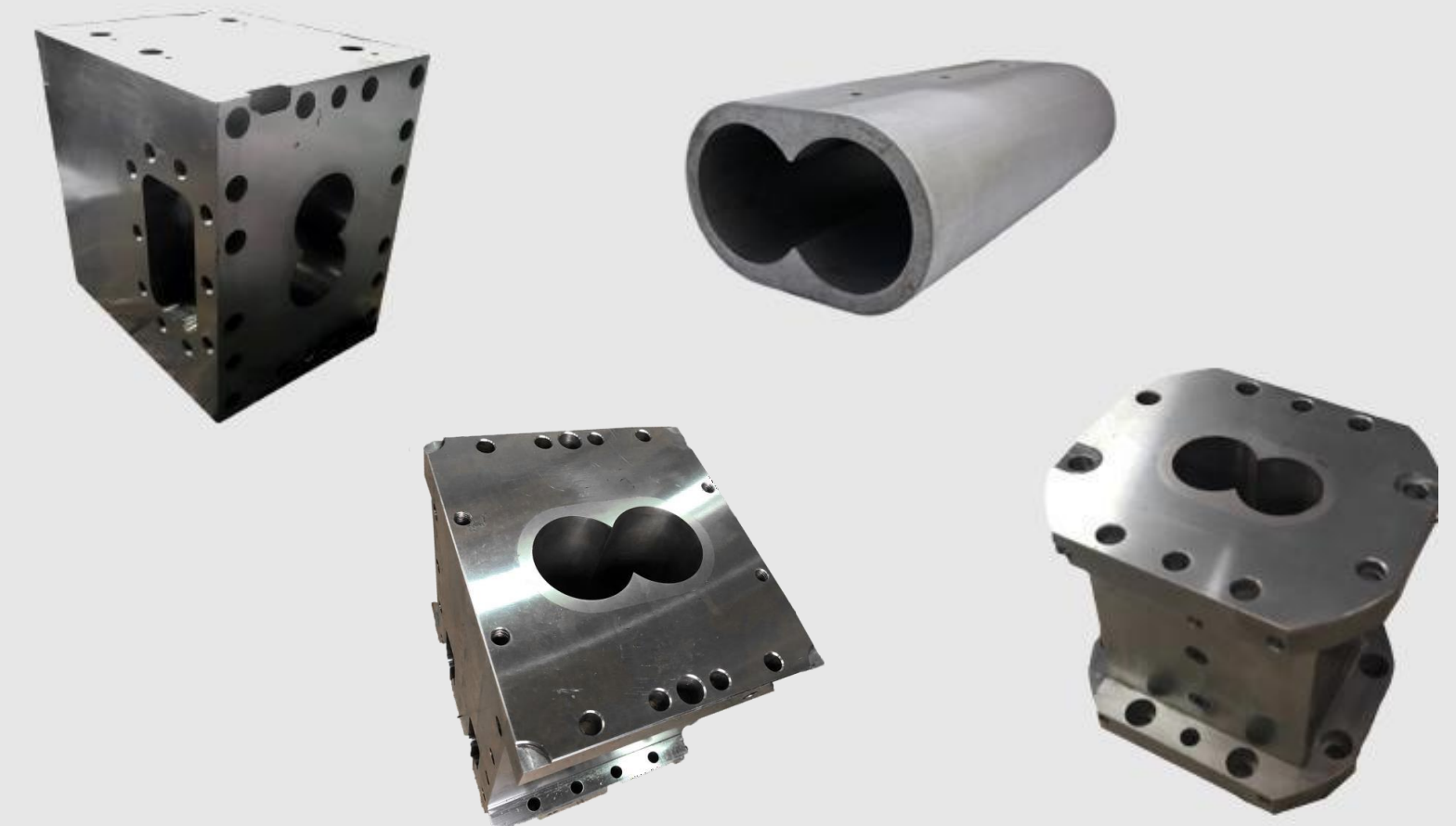


Barrels

Our company is experienced in the area of production of the barrels with the interchangeable liners for multiple uses.

The cooling ducts of the material cylinders have an entrance with the end surfaces, removing the sealing caps to serve them freely and repeatedly. Our specialists can repair the worn barrels.

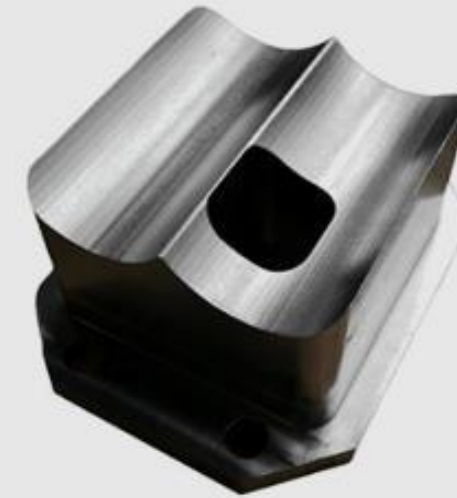
We can repair even in case if the material cylinder has a one-piece design without the removable liner. And so we can give the second life to your worn-out barrel, so you do not need to manufacture a new one.



Dies, knives, inserts

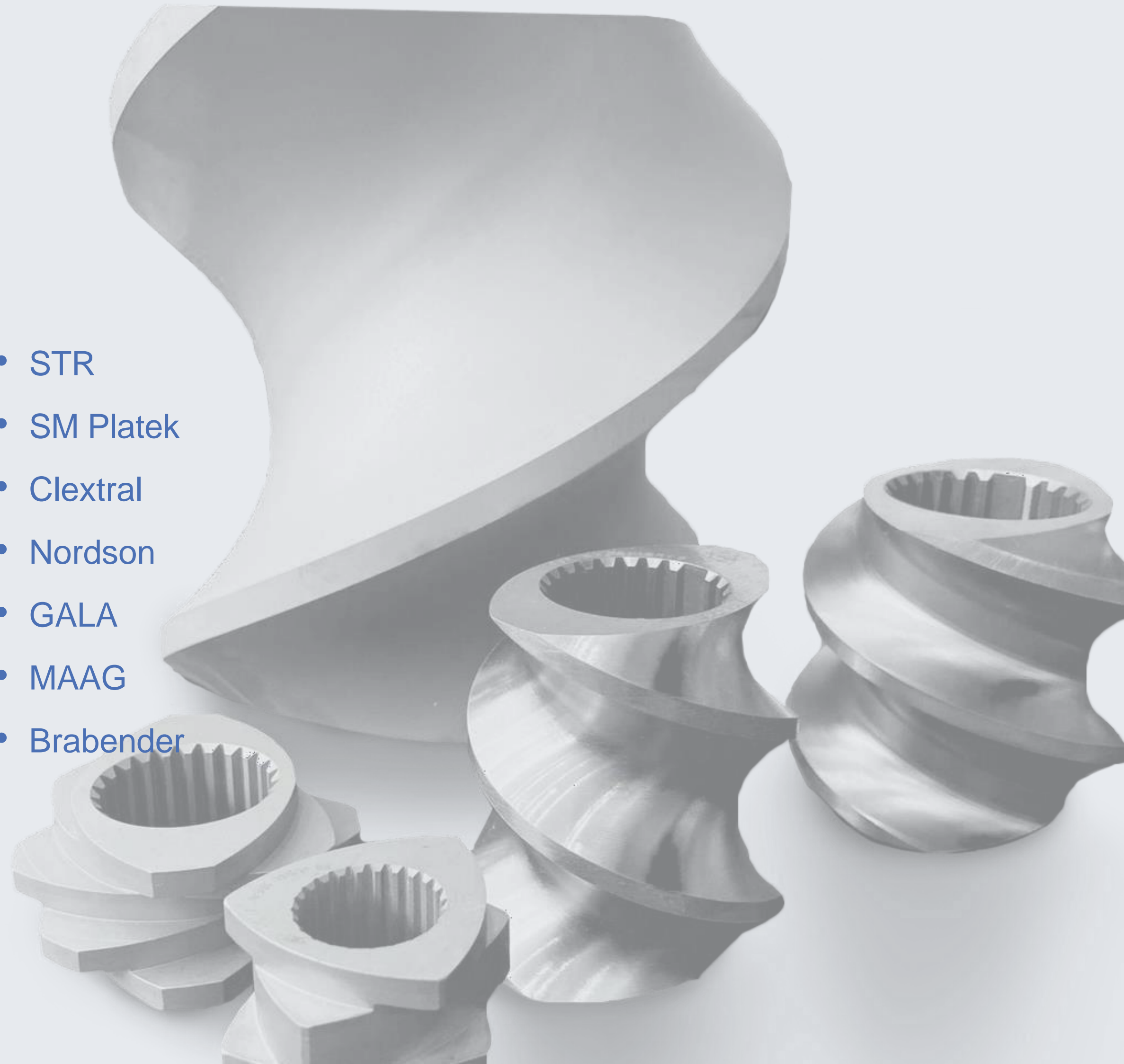
Eventually, every tool, even of high quality, can blunt and break. For the sustainable work, we recommend purchasing our the knives for your pelletizing system. With the help of the best machinery we can produce knives from a thickness starting from 2 mm, designed to withstand frictions and to serve longer.

With the help of our manufacturing capabilities we can also manufacture the side feeders, the degassing inserts, the screw of the side feeders and gravimetric feeders, coupling shafts, spare parts gearbox, the intermediate hopper, degassing's vacuum domes, and many others spares according to your requirements or based on your needs.

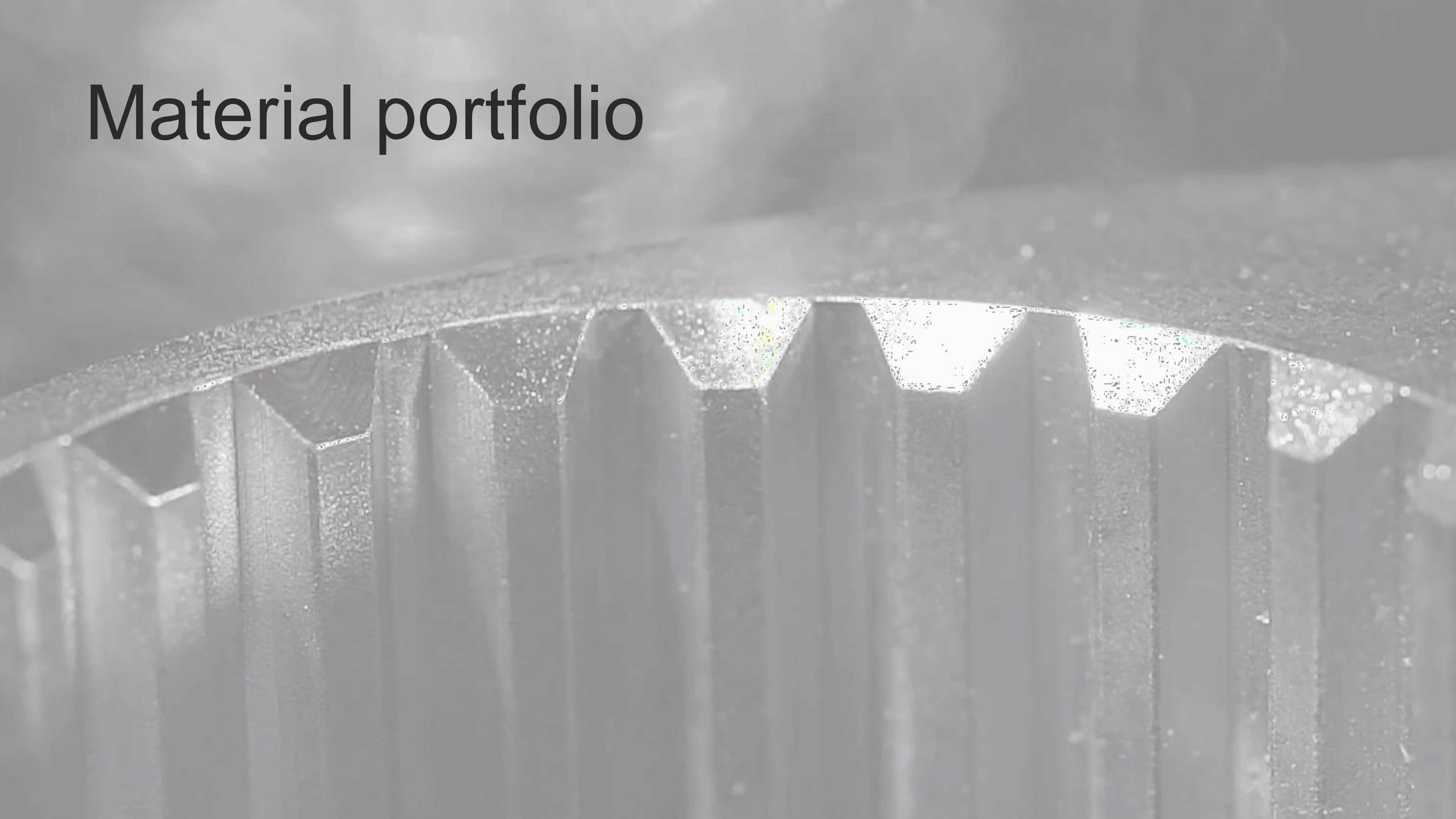


Compatible with equipment

- Berstorff Krauss Maffei
- Buhler
- Buss
- Coperion
- Icma
- APV
- GME
- Leistritz (HP design)
- Maris
- Mas
- NR
- OMC
- SHJ
- Theysohn
- STR
- SM Platek
- Clextral
- Nordson
- GALA
- MAAG
- Brabender



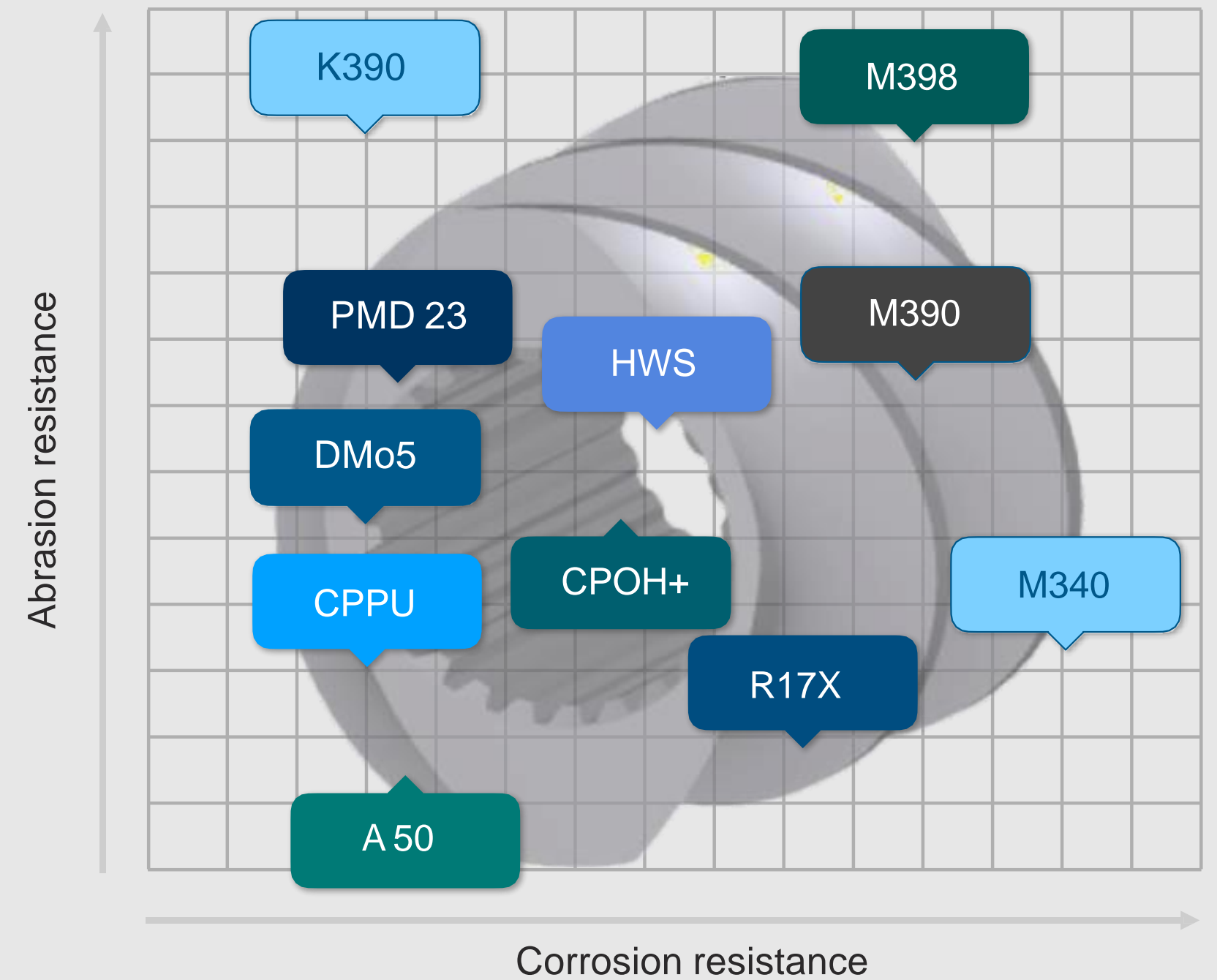
Material portfolio



Screw elements

We use innovative and efficient material solutions with global manufacturers to maintain our qualities and keep our clients satisfied. You can choose any steel for the manufacturing of your elements or we can choose the best combination of screw/barrel materials that will fit your requirements.

Code	Material	Hardness
A50	Nitrided steel	Surface 64HRC
CPPU	Tool steel	60-2 HRC
DMo5	High speed steel	64-2 HRC
PMD23	PM -High speed steel	65-2 HRC
K390	PM- tool steel	65-2 HRC
HWS	PM-tool steel	63-2 HRC
CPOH+	PM-tool steel	60-2 HRC
M340	Stainless tool steel	60-2 HRC
R17X	Stainless tool steel	57-2 HRC
M390	PM-Stainless tool steel	64-2 HRC
M398	PM-Stainless tool steel	65-2 HRC



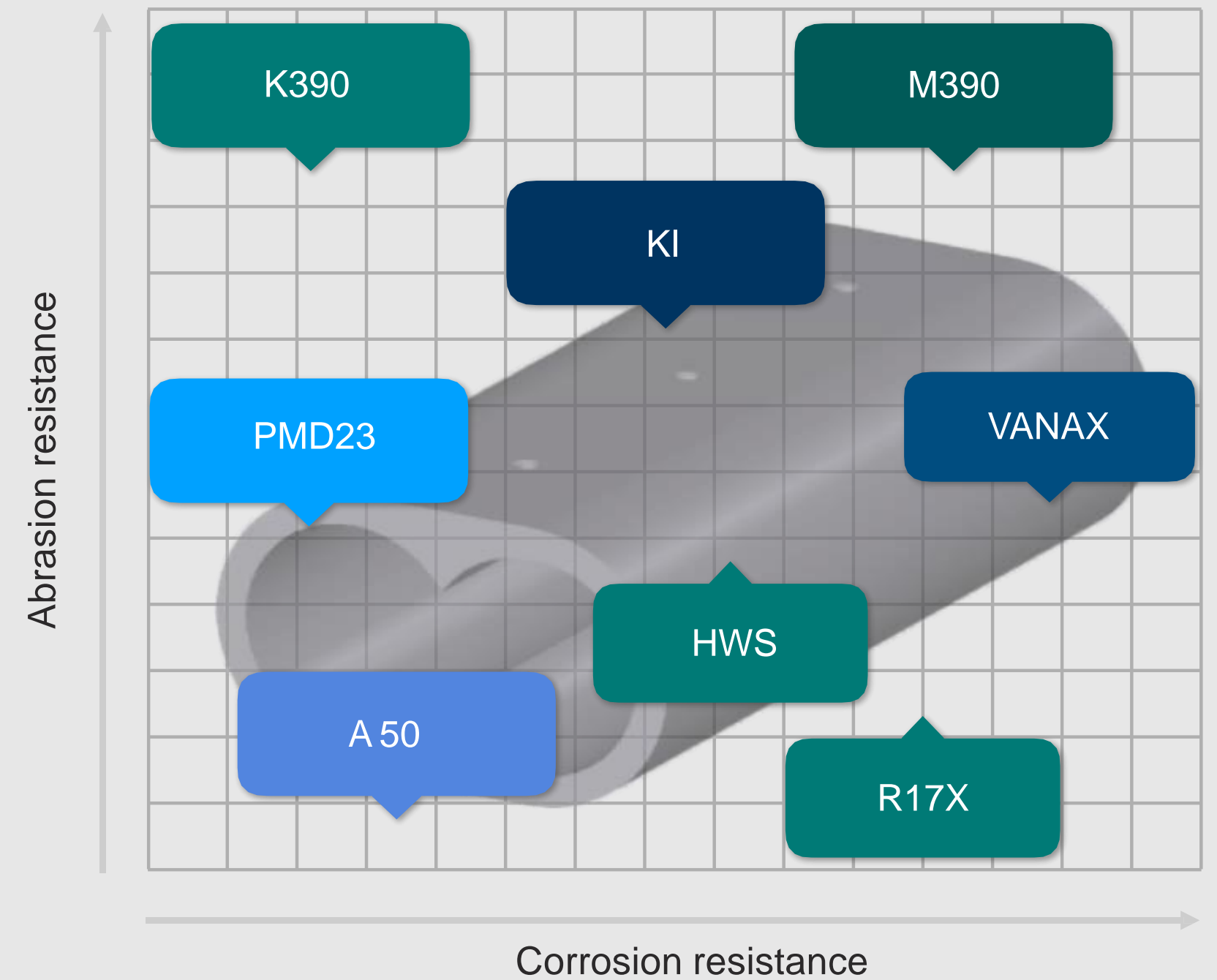
Building Types:

- Conveying elements
- Reserve conveying elements
- Kneading blocks and disks
- Mixing elements
- Undercut elements
- Side feeder elements
- Single, double, triple lobe
- Diameter 18 to 250

Inserts

We use innovative and efficient material solutions with global manufacturers to maintain our qualities and keep our clients satisfied. You can choose any steel for the manufacturing of your elements or we can choose the best combination of screw/barrel materials that will fit your requirements.

Code	Material	Hardness
A 50	Nitrided steel	Surface 64 HRC
M390	PM-stainless tool steel	65-2 HRC
PMD23	PM-high speed steel	64-2 HRC
HWS	PM- tool steel	62-2 HRC
R17X	Stainless tool steel	57-2 HRC
K390	PM-Tool steel	64-2 HRC
KI	Special steel	58-2 HRC
VANAX	PM-stainless tool steel	60-2 HRC



Building Types:

- Feed barrels
- Closed barrels
- Side-feed barrels
- Venting barrels
- Combi barrels
- Wear liners
- Thermocouple bores
- Injection bores
- Degassing inlets
- Plugs
- 8-bore diameter 12 to 170 mm

Contacts

Global sales department

+49 211 946 24156

eu.sales@gkmanro.com

EU sales department

+49 157 501 51869
Lindenstraße 48-52,
40233 Düsseldorf

zhydkov.d@gkmanro.com

www.gkmanro.com

