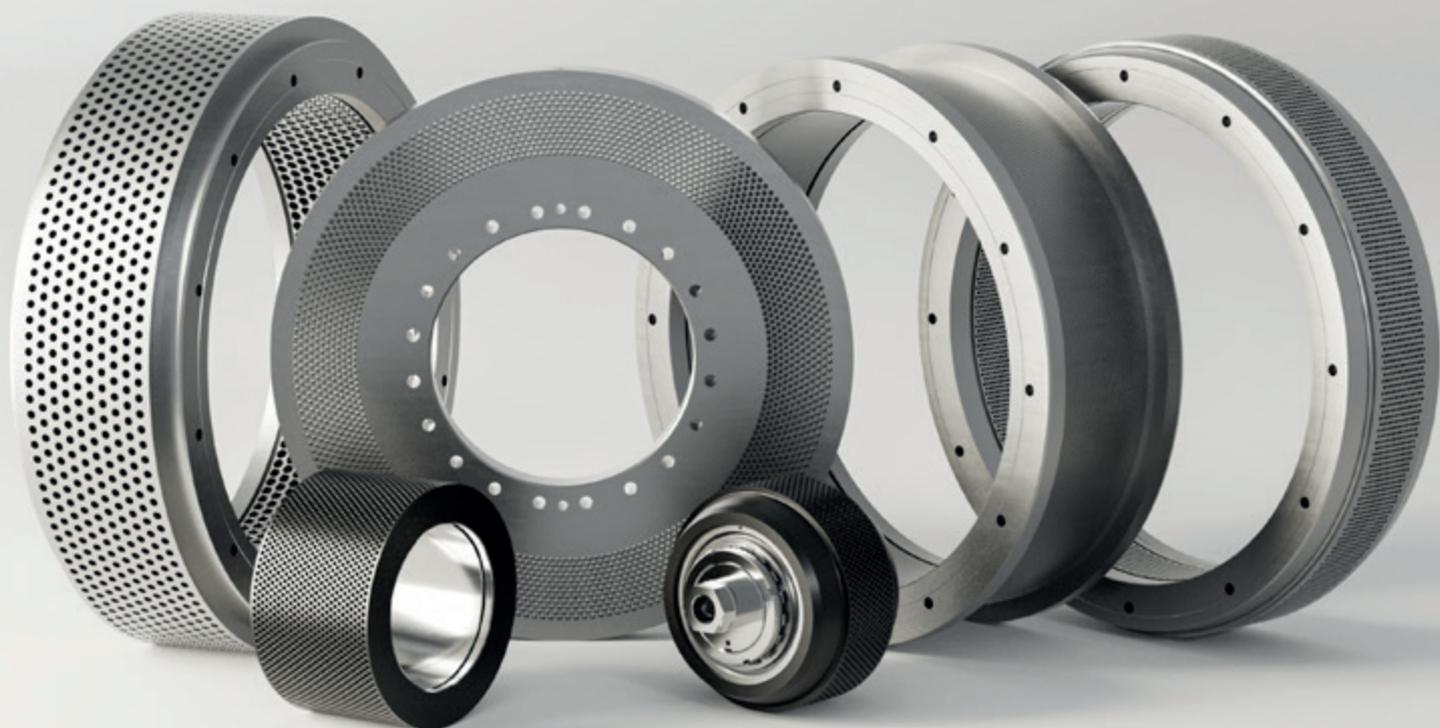




SALMATEC
PRODUCTION



**DIES &
ROLLERS**

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OUR PRODUCTION



With our new production hall, covering approximately 1,600 m², we have set a forward-looking milestone in die manufacturing.

The entire machinery was completely renewed in 2024 and brought up to the latest state of the art.

Thanks to this investment, we now have one of the most modern die manufacturing facilities in the world. The highly automated systems enable not only maximum precision and efficiency but also an exceptionally high level of vertical integration – from turning the raw blank to grinding the finished die, we handle everything in-house.

The spacious hall layout ensures optimal workflows and maximum flexibility in the production of a wide variety of die formats. This enables us to meet individual customer requirements even faster, more precisely, and with the highest quality.

PRODUCTION OF OUR DIES

The die determines the shape and properties of the finished pellets. Therefore, it is especially important to use the optimal press channel length and the most suitable diameter for the material at hand. The blanks made from high-quality German steel also provide the ideal basis for long service life with minimum wear.

From the first chip to the hardening process and final quality inspection, we control every step of the production process ourselves. This allows us to respond flexibly to specific requirements and customize the dies down to the smallest detail. It also ensures that the globally recognized SALMATEC quality is upheld without compromise. Our quality management system is certified according to ISO 9001.



1

PRE TURNING



With our state-of-the-art machinery from 2024 – consisting of highly efficient CNC machines – we are able to precisely pre-turn dies of all sizes.

This ensures exact dimensional accuracy and creates optimal conditions for the subsequent processing steps.

2

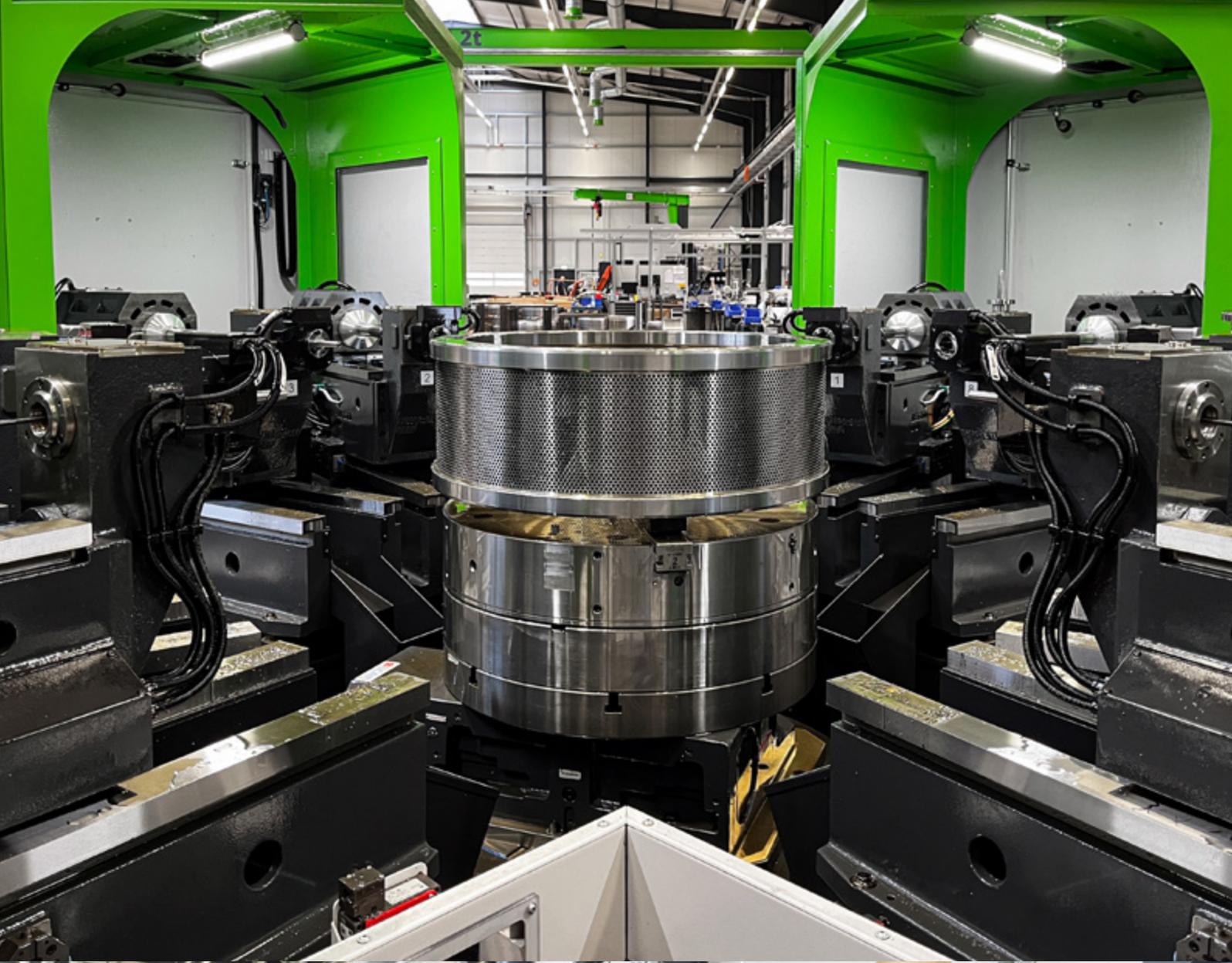
DRILLING

We have also fully modernized our machinery in the drilling sector. As a result, we are able to perform drilling operations with diameters ranging from 1.2 mm to 16 mm with precision and reproducibility – tailored to the specific requirements of each application. This includes the use of CNC deep hole drilling machines as well as systems for counterboring with up to 8 spindles.



In the quality sector, we benefit from the latest generation of our CNC machines, which not only enable the highest precision but also ensure consistent manufacturing quality through their intelligent control and integrated monitoring systems.

Thanks to state-of-the-art sensors and automated correction functions, we can detect quality deviations early and take proactive measures – ensuring maximum process security and consistently excellent results.



3

COUNTER SINKING

With a total of seven counterboring machines, we ensure a uniform and precisely defined counterbore pattern on all dies. This precision allows for optimal post-processing and significantly contributes to the durability and efficiency of the dies.



HARDENING

4

In our own hardening furnace, we can process up to 2.4 tons of material per batch. By carrying out this step in-house, we maintain full control over the entire hardening process and ensure consistently high quality – tailored precisely to the requirements of each die.

5 POST TURNING

After hardening, the dies are post-turned on the same CNC machines used for pre-turning to ensure dimensional accuracy and concentricity at the highest level – a key step for quality and longevity.



6 GRINDING

Each die is carefully ground to ensure perfect concentricity. This ensures that the running surface aligns precisely with the die holder – a key factor for smooth operation and minimal mechanical stress during use.

OUR DIE VARIETY

Every pelletizing material has unique requirements for the die – that’s why we offer a wide range of specifically tailored die solutions. Whether for animal feed production, biomass processing such as wood, or demanding recycling applications: our dies are designed exactly to your specifications.

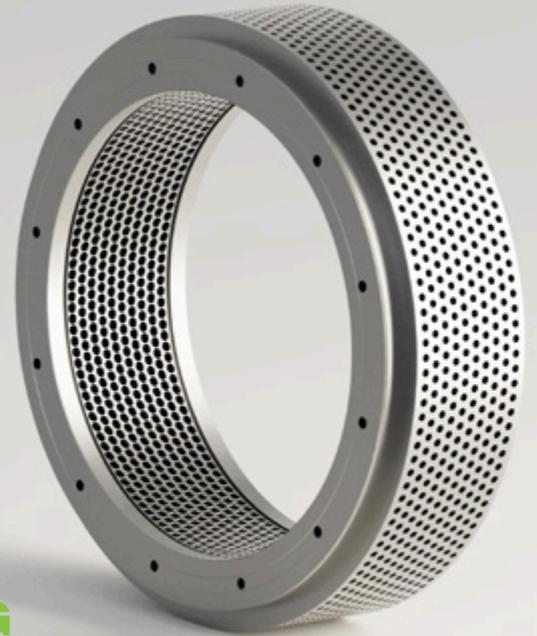
With variable bore diameters, customized geometries, and different press channel lengths, we ensure efficiency, throughput, and product quality remain at the highest level.

We offer the optimal solution for every application – precisely manufactured, durable, and high-performing.





BIOMASS



RECYCLING



ANIMAL FEED

OUR ROLLERS PRODUCTION

To fully realize the potential of the roller surface, the internal design must also be just right. That's why our rollers are manufactured and assembled with the highest precision at our facility in Gödenstorf, Germany. Not only the selection of high-quality components is crucial but also their precise assembly by our skilled staff.

Depending on the machine model and pellet material, we can equip your rollers with useful add-ons such as speed or temperature monitoring, a cooling system, and lifetime lubrication.



1

PRE TURNING



Just like with our dies, our state-of-the-art CNC machinery enables us to pre-turn rollers of all sizes with high precision.

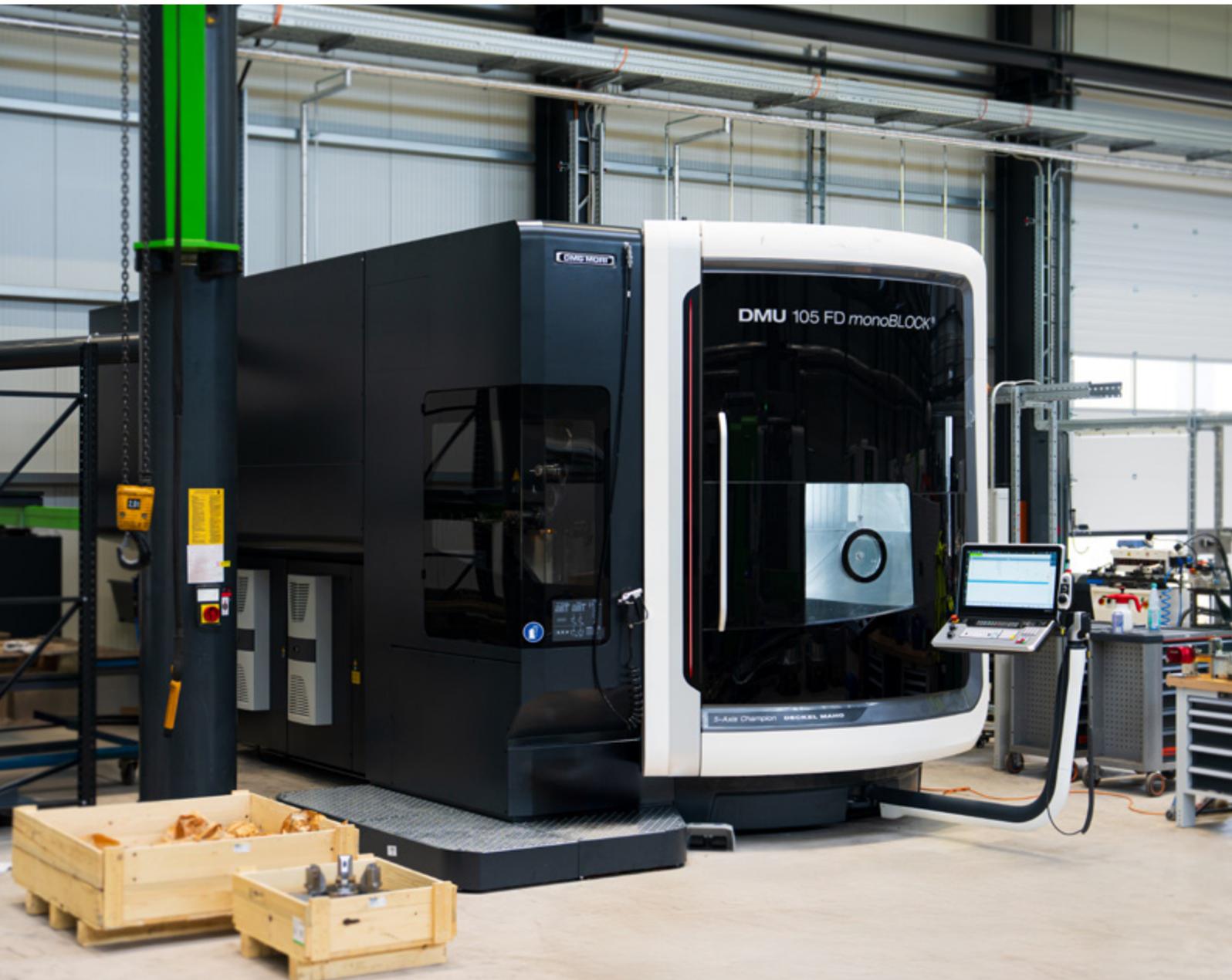
This ensures exact dimensional accuracy and creates optimal conditions for the subsequent processing steps.

2

DRILLING & MILLING

For drilling and milling our roller sleeves, we also rely on state-of-the-art technology: Our DMU machine with a 5-axis system enables highly precise machining of complex geometries – efficiently, flexibly, and with absolute reproducibility.

Thanks to the simultaneous control of all five axes, even the most demanding contours can be produced in a single clamping operation. This not only ensures the highest dimensional accuracy but also significantly reduces lead times.



3

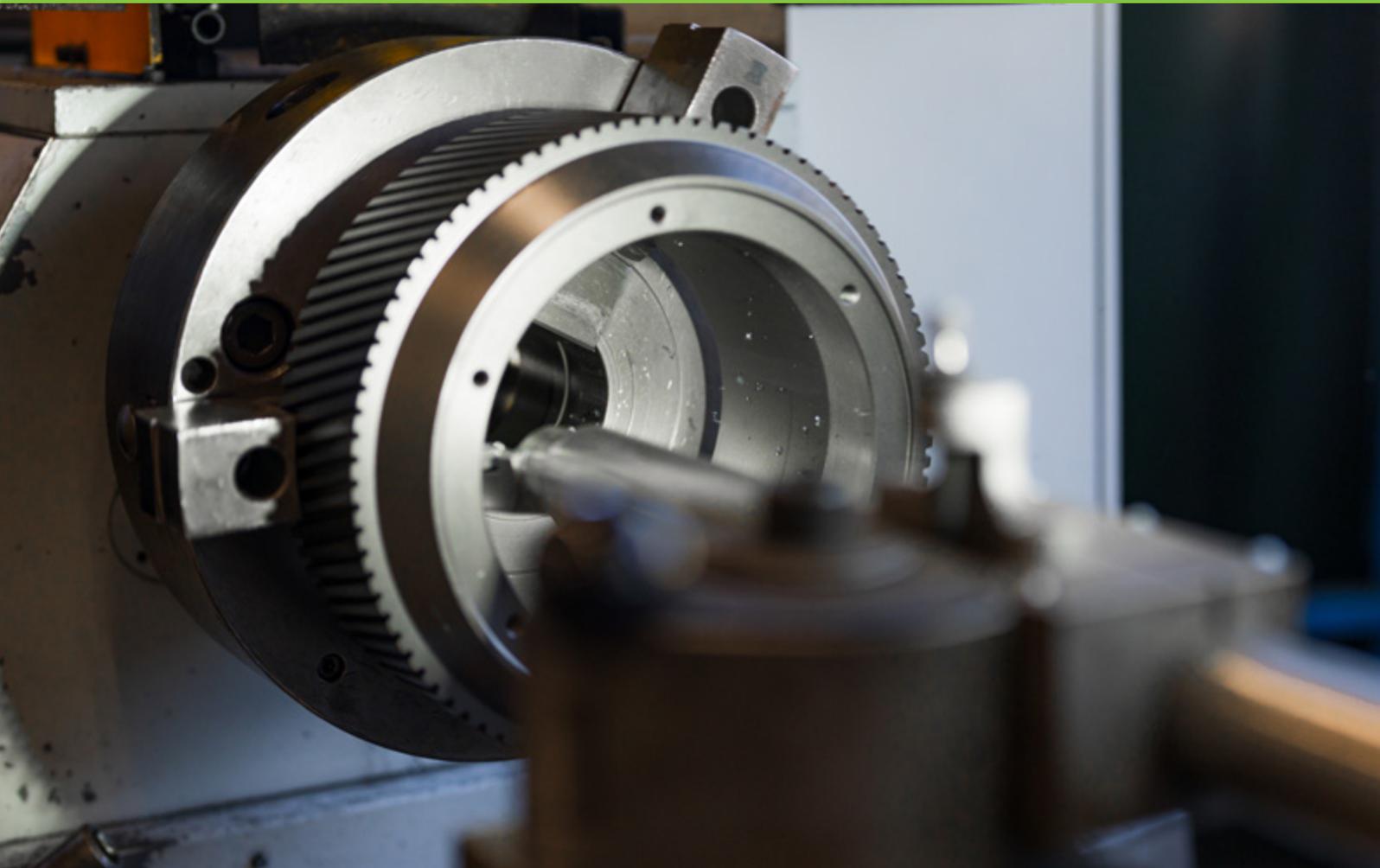
HARDENING

The hardening of our rollers is carried out using specially adapted processes that are precisely tailored to the respective material.

This ensures that each component is not only optimally hardened but also meets the highest standards of load capacity and durability.

4 POST TURNING

After the hardening process, the final turning is carried out on the same machines used for pre-turning, in order to guarantee dimensional accuracy and concentricity at the highest level – a crucial step for quality and durability.



OUR ROLLER VARIETY

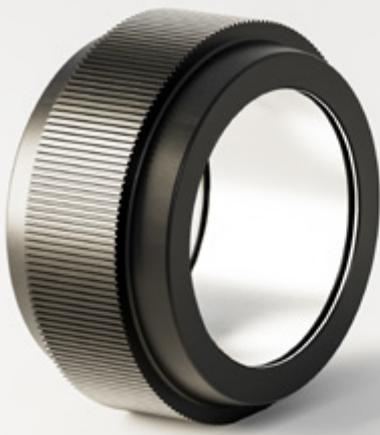
Different materials require different rollers. That's why at SALMATEC we offer roller shells in every type and configuration. In addition to our own MAXIMA models, we also produce versions compatible with all common pellet mills.

Thanks to our state-of-the-art production facilities, we can meet even the most specific customer requirements and provide the perfect rollers for your application.

Whether perforated or grooved, fine or coarse, diagonal or straight – we deliver the right solution to maximize the quality and output of your pellets.

Rely on our decades of experience. We are happy to assist you in selecting the ideal rollers for your needs.





GROOVED



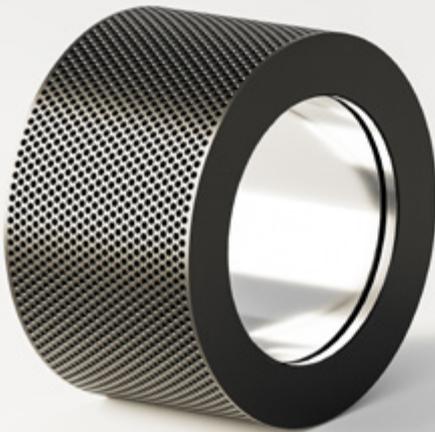
**FISH BONE
EDGE CLOSED**



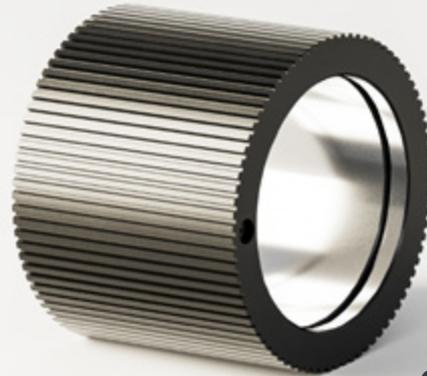
**DIAGONAL
GROOVED**



DIMPLED



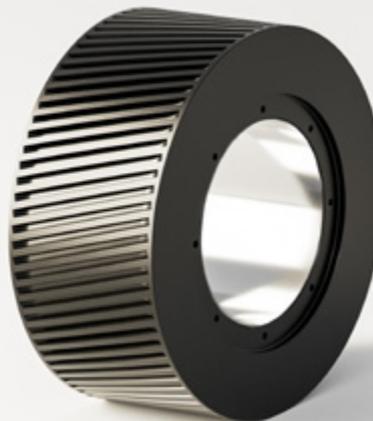
DIMPLED



GROOVED



**ROUGH
GROOVED**



**DIAGONAL
GROOVED
EDGE CLOSED**

OUR REFURBISHMENT

At SALMATEC, we place great importance on the quality and durability of our products. That's why we handle the refurbishment of rollers and dies directly in-house. Using state-of-the-art technology and many years of experience, we ensure that worn components are professionally regenerated and optimally prepared for further use. Our in-house refurbishment guarantees short turnaround times, maximum precision, and consistently high product quality – ensuring maximum efficiency in your production process.



OUR RAW MATERIAL STORAGE

Our raw material storage is perfectly organized to ensure fast and reliable supply. We always keep a sufficient stock of blanks for common die and roller types – allowing us to respond flexibly to short-term demands. Thanks to long-standing partnerships with reliable suppliers within Germany, rapid replenishment is also guaranteed at all times. This provides us with the necessary planning security – and gives our customers maximum delivery readiness.





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