



360°
SERVICE
PARTNER

FEED & BIOFUEL

DIAMOND DIE

TOUGHNESS REDEFINED



WASTE

BIOMASS

SUGAR BEET

OTHER HIGH-ABRASIVE RAW MATERIALS

ANDRITZ

ENGINEERED SUCCESS

100 Years of Excellence in Every Die

Our century-long heritage in die manufacturing combines deep expertise with a commitment to excellence. Our dies are designed to maximize every minute of your pellet production, making it efficient, smooth, and trouble-free.

15.000+
DIES
produced
annually

**MORE
THAN 14%**
**OF DIE
PRODUCTION**
around the world
is covered
by **ANDRITZ**

3.000+
CUSTOMERS
benefiting from our
products and
service

**OPERATING IN
114 COUNTRIES**
Our logistics
infrastructure ensures
prompt and hassle-
free distribution

Global Reach, Local Expertise

We're everywhere you need us to be. With ANDRITZ offices around the world, help is always close by, ensuring fast and dependable service.

Our global knowledge helps us tailor local solutions, making us a front-runner in innovation and customer satisfaction.



**LEARN MORE
ABOUT ANDRITZ
WEAR PARTS HERE:**



Perfect Fit To Each Brand and Model of Pellet Mill

Extensive knowledge of the parameters influencing die performance gained from decades of experience in producing and servicing dies, pellet mills, and complete pelleting lines, has given us the capability to customize any die for optimal performance across any brand of pellet mill.



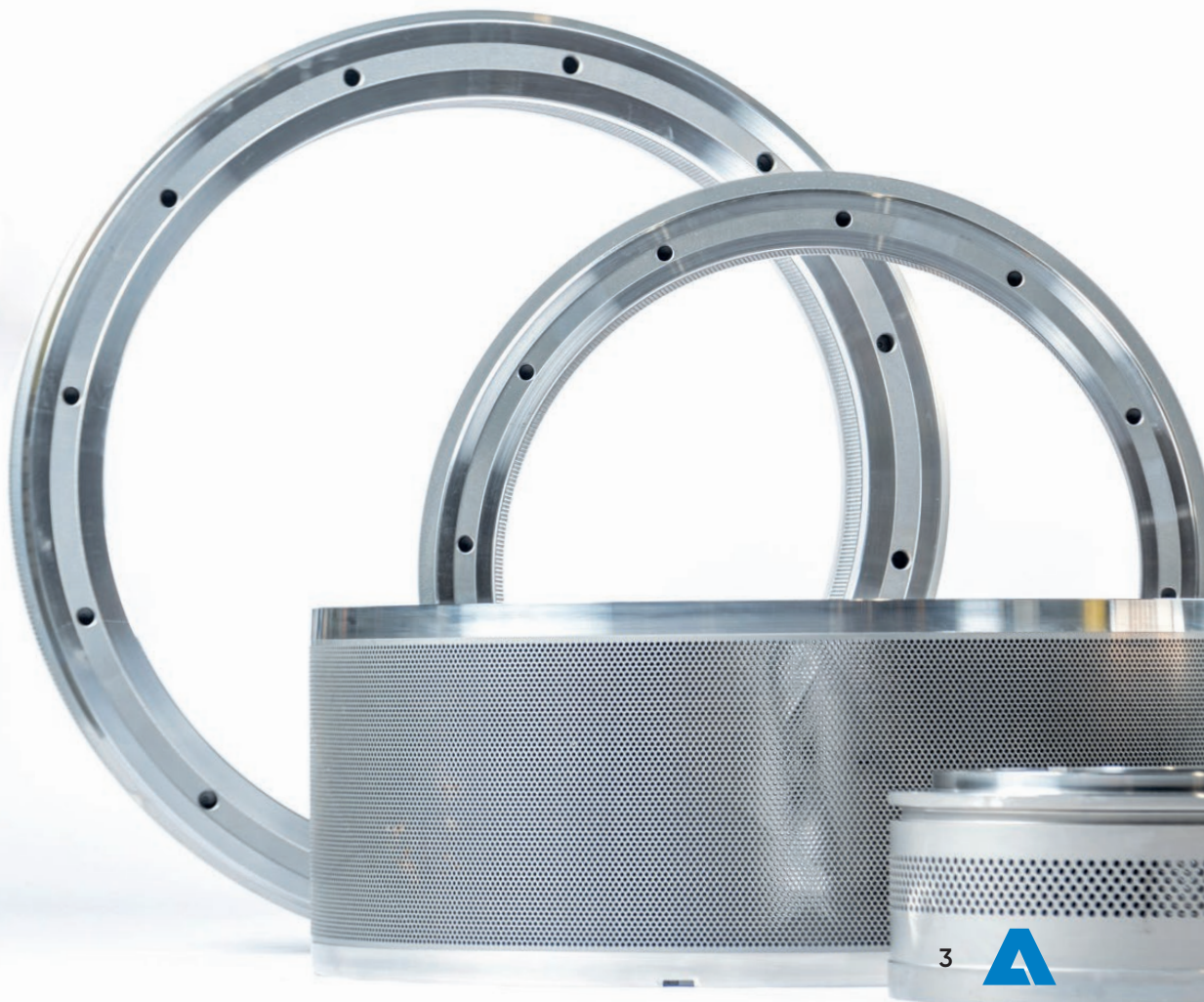
ENSURING THE PROMISE OF ANDRITZ QUALITY

Our dedication to continuous innovation and investment has resulted in a high-tech manufacturing process that ensures quality control from raw materials to finished product, resulting in the utmost consistency of our high-quality standard.



EASY REPEAT ORDERING

For every die we produce we document all design parameters in our system, making sure that your repeat order results in exactly the same die as the one you ordered before.



Introducing the Diamond Die. Toughness Redefined.

**Extreme wear and corrosion resistant die,
ideal for processing abrasive and tough materials**

Inspired by the toughest mineral on Earth, the Diamond Die is built to resist wear and corrosion like no other. It's designed to handle harsh materials, significantly increasing the lifespan of the die and boosting productivity in demanding environments.



**Previous testing showed an extension
in the die's lifetime of
up to 50-100%
compared to a standard die**



Superior wear and
chemical corrosion
resistance



Suitable for
the toughest
applications



Proprietary
manufacturing
process



* - Note: This picture is for illustrative purposes and does not represent the actual surface of the die.



Pushing the Limits of Pelleting Technology

Experience the durability of Diamond Die, a breakthrough in pelleting technology that offers enhanced longevity and performance in tough environments.



Increased Uptime and Extended Lifetime

Built to last, Diamond Die significantly extends operational life compared to standard dies, keeping your machines running longer without interruptions.



Consistent High-Quality Output

Diamond Die consistently delivers high-quality pellets, reducing your production costs over time.



Cost Efficiency

Diamond Die's robust design minimizes wear, reducing the need for frequent replacements and lowering the cost per ton of output.



Streamlined Operations

With Diamond Die, enjoy longer production cycles and fewer maintenance stops, cutting down on operational costs and boosting efficiency.

Handling the Toughest Environments

Waste



CHALLENGE

Waste processing involves exposure to a heterogeneous mix of materials, some of which may be chemically aggressive or unusually abrasive, causing rapid wear on standard equipment.



SOLUTION

Diamond Dies are crafted to endure not just the physical abrasion but also the corrosion from acidic or reactive waste materials.



Biomass



CHALLENGE

Biomass materials vary widely, from different wood types to agricultural waste, each with different processing requirements that can lead to uncontrollable wear on pelleting dies.



SOLUTION

Diamond Die is built to manage various biomass types and their differing densities and abrasiveness, maintaining consistent pellet quality and extending die life.

Sugar Beet



CHALLENGE

The fibrous nature and high soil content of sugar beets place extra wear on pelleting equipment, which can lead to frequent operational interruptions.



SOLUTION

Diamond Die is designed to resist extreme abrasion, ensuring consistent pellet formation and process conditions.



Exceptional Wear Resistance Tested with a Chicken Litter and Animal Feed Producer

SUCCESS STORY

Customer

Suplementos Alimenticios Trasgo SA de CV
A chicken litter and cattle feed producer

Task

Increase the lifetime of the die while also reducing downtime due to less frequent die changes.

Location

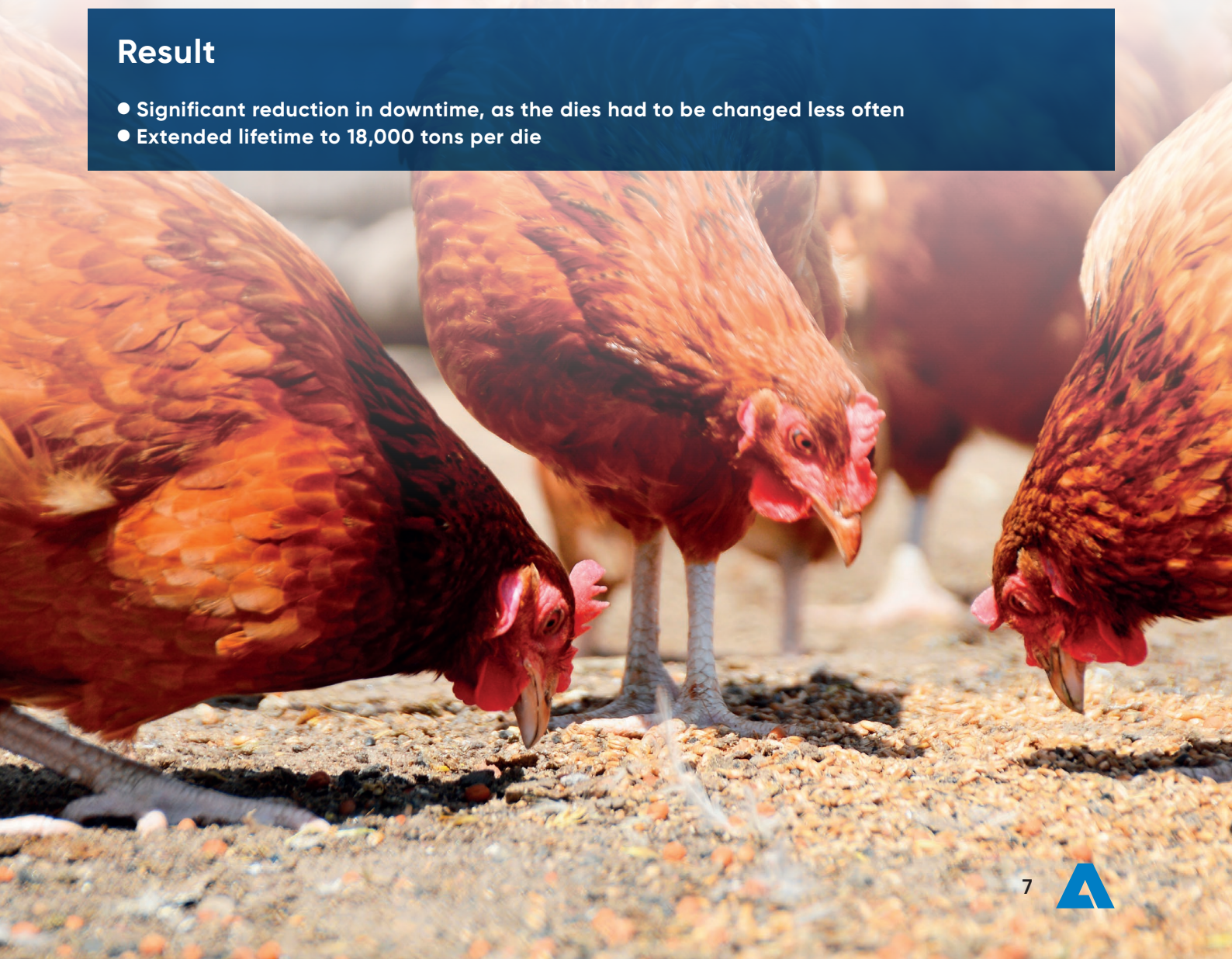
Mexico

Challenge

Due to the characteristics of the raw materials being processed, the dies' lifetime was limited to approximately 12,000 tons.

Result

- Significant reduction in downtime, as the dies had to be changed less often
- Extended lifetime to 18,000 tons per die



Doubling Die Durability in the Chicken and Turkey Feed Industry

SUCCESS STORY

Customer

A chicken and turkey feed processor

Location

Latin America

Challenge

Limited die lifespan with each die lasting approximately 18,000 tons, impacting production efficiency and cost-effectiveness.

Result

- The extended lifetime of the ANDRITZ Diamond Die increased to 40,550 tons
- Higher temperatures could be reached in the conditioner when the ANDRITZ Diamond Die was in use



Doubled Lifetime per Die in the Sugar Industry

SUCCESS STORY

Customer

SUN DESHY

One of the major players in agrarian crop dehydration and pelleting for the animal nutrition industry

Location

France

Task

Reduce maintenance and operational costs by improving the useful lifetime of their dies.

Challenge

Three industrial sites manufacture 40,000 tons of beet pulp pellets.

Pelleting such a harsh material meant that the die used for pelleting beet pulp required replacement in as little as 800-1000 hours, during which 8TPH of pellets were produced.

Result

- Doubled the lifetime (2400 hours) of run-time per die without a loss in pellet quality
- Nearly 30% of savings in operational costs





GLOBAL SUPPLIER – LOCAL PRESENCE

ANDRITZ Feed & Biofuel is truly a global organization – with local presence. We are represented all over the world. The global market is served from five main locations in Denmark, China, Netherlands, USA, and Slovakia.

In addition, ANDRITZ Feed & Biofuel operates from several strategic regional sales, engineering, and service locations in Australia, Bangladesh, Brazil, Canada, Chile, Dubai, France, Germany, India, Italy, Mexico, Poland, South Africa, Thailand, Turkey, the UK and Vietnam – and is also represented locally by agents and distributors in many other markets.

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