



Let's discuss
the project:



+38 067 650 40 05



bronto@bronto.ua



Ukraine, 18028,
Cherkasy,
Chimikiv Avenue, 7A



bronto.ua

CUTTING-EDGE MACHINERY

for feed and food production

BRONTO



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HI, WE'RE BRONTO — ENGINEERING THE FUTURE OF NUTRITION

We provide a comprehensive range of high-performance extrusion solutions, including extruders, oil presses, biofuel equipment, and turnkey extrusion lines.

57 years in business

3100 companies

BRONTO clients span **across 63 countries**

21 abroad offices

provides global coverage and support worldwide

200 highly skilled employees

We create reliable equipment for industrial applications:

- oilseed processing
- mechanical oil pressing
- fish and pet feed manufacturing
- solid biofuels.

We specialize in the following areas:

- production of feed for livestock and pets
- production of natural vegetable oils and food products
- production of bioenergy from biomass.

Customized services:

- personalized project management and consulting
- providing end-to-end solutions
- **EXTRUtec** annual hands-on seminars.

The real benefits of extrusion to society motivate us to continually enhance our equipment, driving efficiency and increasing customer value.

Our quality standard is **ISO 9001:2015**.



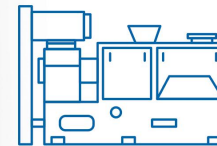
OUR FOCUS:

ensuring stable and efficient processing of oilseeds, feed production and biofuel manufacturing



We are BRONTO —

We deliver solutions that add value to your business.



Our focus is on delivering equipment that guarantees **consistent and reliable performance** throughout your entire production process.



Our worldwide technical support, **covering all continents** except Antarctica, helps you achieve outstanding results and maximize your business potential.

IMPLEMENTATION AND SUPPORT AT EVERY STAGE —

equipment choice, setup, startup,
and maintenance

” Our services go beyond equipment supply. We offer **a complete solution**, including system selection, installation, and ongoing support to optimize your operations.

01

WE CAREFULLY ANALYZE YOUR PRODUCTION NEEDS.

We assist in selecting the optimal equipment, evaluate your location's compliance with necessary standards – from gates to power substations, and provide detailed layout solutions for equipment installation.

02

MACHINERY PRODUCTION.

We produce custom equipment tailored to your exact needs.

03

INSTALLATION SUPERVISION.

Our technical experts provide turnkey installation services, supporting you from initial setup to final configuration.

04

STARTUP OF A PRODUCTION LINE.

We ensure proper electrical and ventilation connections, inspect machines after delivery, calibrate instruments, and commission each machine sequentially.

05

PROVIDING TRAINING ON EQUIPMENT OPERATION AND SAFETY PROCEDURES.

Your specialists will receive comprehensive instructions covering equipment preparation, startup, adjustment, shutdown, preservation, and maintenance to ensure smooth operation of your production.

06

ONGOING TECHNICAL AND ADVISORY SUPPORT.

We are here to support you every step of the way, providing consultation on equipment reconfiguration, assisting with electronic device setup, and addressing maintenance and wear part replacement needs.

07

WARRANTY SERVICE AND REPAIR.

Our warranty covers our equipment, and we offer repair services, spare parts replacement, and consultations to keep your production running uninterrupted.

OUR PRODUCT LINE AND SOLUTIONS

BRONTO is a machine-building plant with many years of experience in creating equipment for the agro-industrial sector. We offer comprehensive solutions to help you efficiently process raw materials for the production of feed, food products, and biofuels.

BRONTO specializes in manufacturing processing lines for various raw materials, including:

- soybean, rapeseed, and sunflower processing lines
- pellet feed and textured product production lines
- extruders and oil presses
- biofuel facilities
- intra-plant transportation systems and elevator equipment

BRONTO processing lines are versatile and can handle a variety of agricultural feedstocks, including:



soybean, rapeseed, sunflower

for producing vegetable oils and high-quality feed



grain crops

to produce animal feed and food supplements



agricultural by-products and wood residues

for producing solid biomass fuel

ADVANTAGES

1

We provide **comprehensive support** to our clients from the initial concept to the final production launch.

2

The continuous processing lines allow for maximum production capacity.

3

Advanced technologies minimize energy usage and optimize raw material utilization.

4

BRONTO equipment **offers flexibility** in handling diverse raw materials, broadening its application spectrum.

5

BRONTO's **technological process** guarantees products that meet or exceed the highest industry standards at every stage of production.

WE ARE EASILY ACCESSIBLE TO YOU

We bring EXTRUtec® seminars and practical workshops to locations around the globe annually.

We share our experience and technologies, and explain our mission.

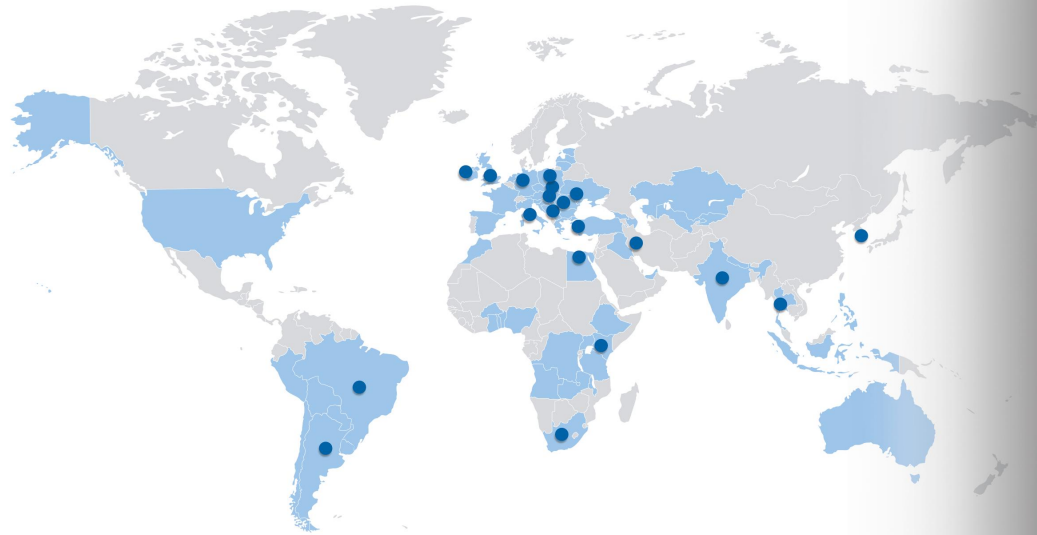


● – locations of past EXTRUtec events



EXTRUtec

REGIONAL SALES REPRESENTATIVES AND CLIENTS



● – regional offices

■ – countries of purchase

BRONTO has a global presence, with representatives in **21 countries spanning 5 continents:** Europe, Asia, South and North America, and Africa.

3100 clients
all over the world



Contact our regional representatives worldwide.

BRONTO EQUIPMENT

is used for processing

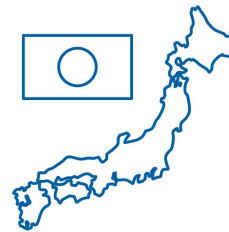
5%
global soybean harvest



Processes an amount of soybeans annually that could stack higher than Mount Everest

manufactures feed for

2
billion chickens



120 million people

Feeds a nation the size of Japan every day

manufactures

450 000
tons
of solid biofuel



2 MWH

Provides heat for a country as large as Norway


SOYBEAN PROCESSING LINES

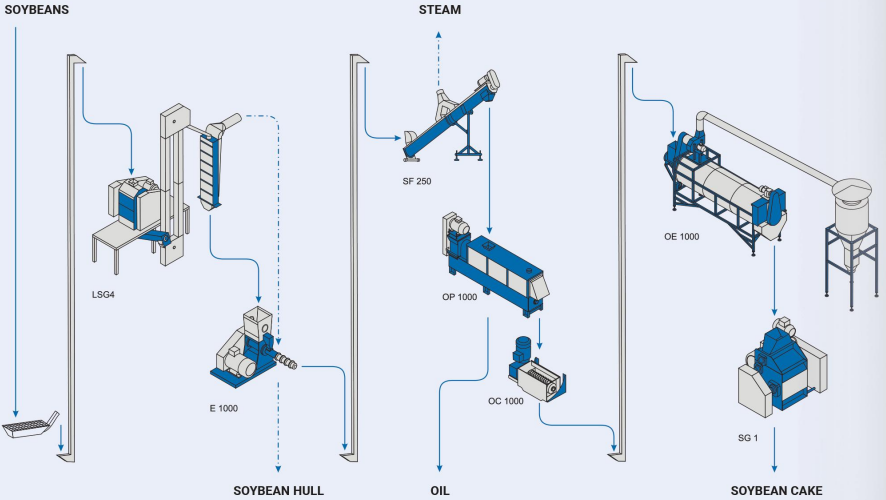
layout, machinery, startup, spare parts, technical support

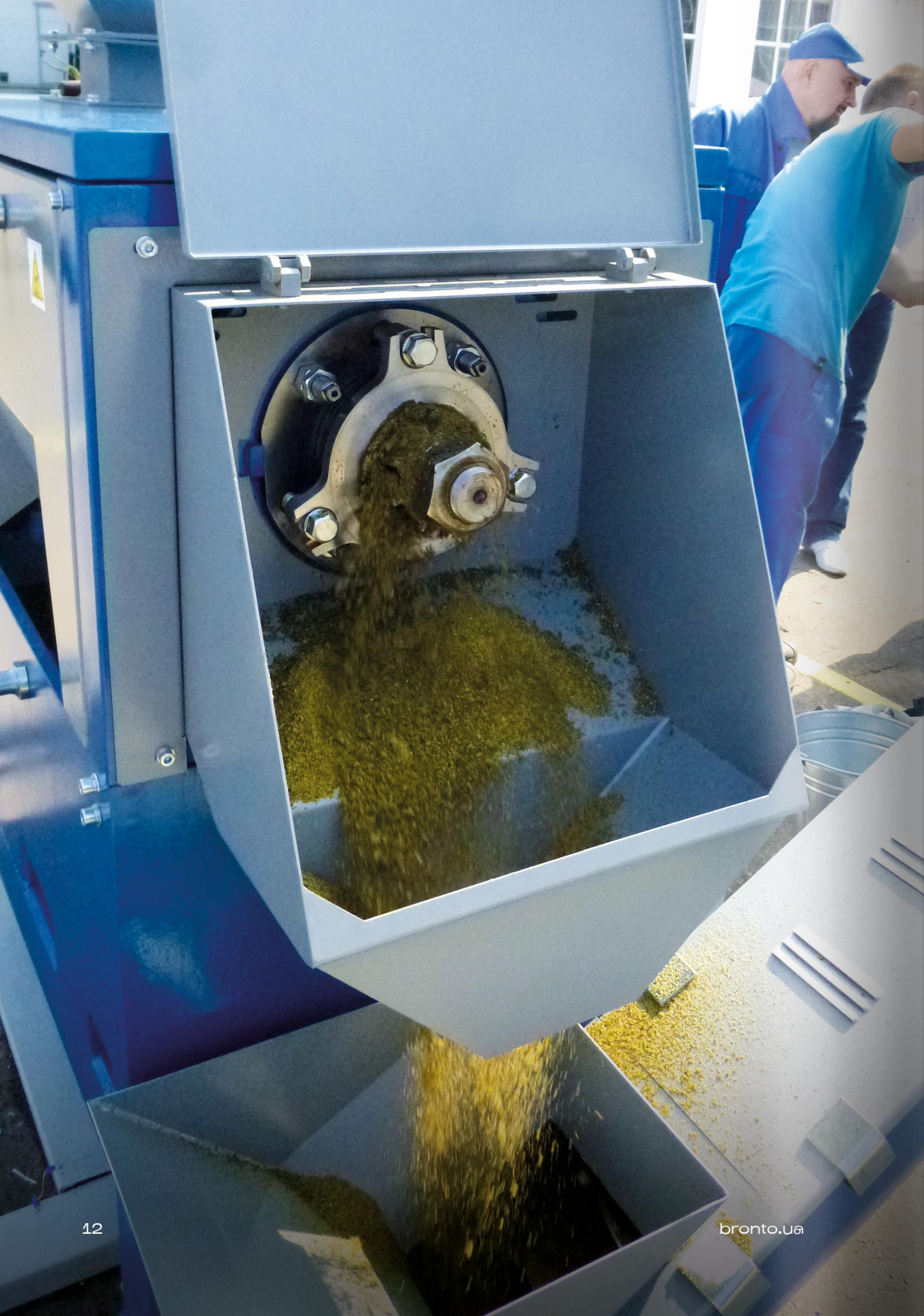
Manufacture a high-quality, high-protein feed ingredient.

We provide a complete service package, including equipment commissioning, spare parts, and technical support. We offer custom line layouts tailored to your facility.

BRONTO equipment is designed for **continuous operation**, reducing labor needs and enhancing production efficiency.

<p>up to 3,8 tons of oil per day with moisture content of 8%</p>	<p>with 7-8% oil up to 20 tons of soybean cake per day with 48% protein</p>
<p>up to 24 tons of soybean processing per day</p>	





RAPESEED OIL EXTRACTION LINES

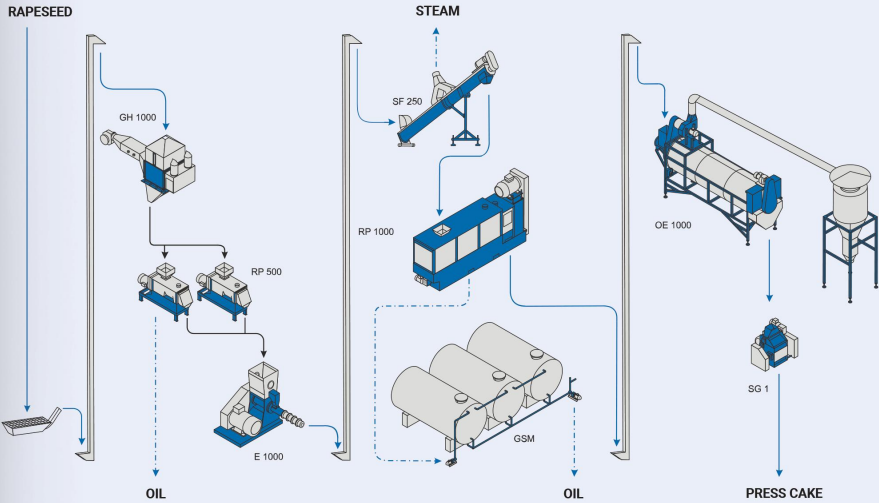
layout, machinery, startup, spare parts, technical support

Provides a complete technological cycle of rapeseed processing, including heating, extrusion, pressing, and obtaining cake and oil.

We provide a full range of services, including equipment commissioning, spare parts supply, and technical support.

BRONTO offers a chemical-free, optimized process that delivers **high-quality end products at a lower production cost.**

<p>up to</p> <h2>44%</h2> <p>protein content in the output cake</p>	<p>up to</p> <h2>24 tons</h2> <p>of rapeseed per day</p>
<p>8%</p> <p>outlet moisture content</p>	




SUNFLOWER PROCESSING LINES

layout, machinery, startup, spare parts, technical support

Offers a chemical-free, optimized process for sunflower processing, including heating, pressing, and cooling stages.

We provide equipment commissioning, spare parts, and technical support.

With BRONTO, you get high-quality oil and cake produced through an environmentally friendly process, backed by our worldwide service network.

up to 48 tons of seeds per day	containing 8-10% oil and up to 40% protein
producing up to 18 tons of oil per day from raw material with 8% moisture	


EXTRUSION FEED PRODUCTION LINES

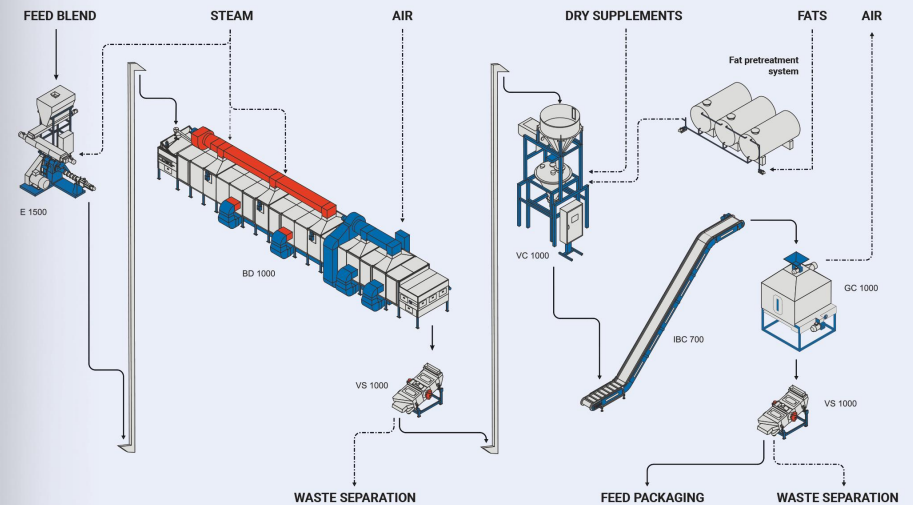
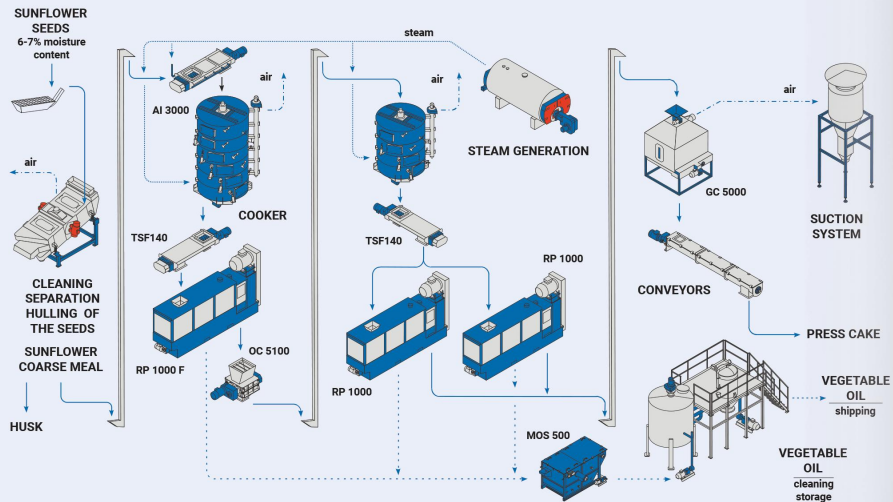
layout, machinery, startup, spare parts, technical support

Provides a complete feed production cycle, including mixing, extrusion, drying, coating, and cooling.

We provide equipment layout, commissioning, spare parts, and technical support.

BRONTO offers **tailored equipment solutions**, including custom-designed hoppers, feeders, and components to meet your evolving needs and recipe development.

up to 48 tons of feed per day	up to 35% fat content in granules
the moisture content of the feed is 8-12% at the output	




PROTEIN TEXTURIZATION LINES

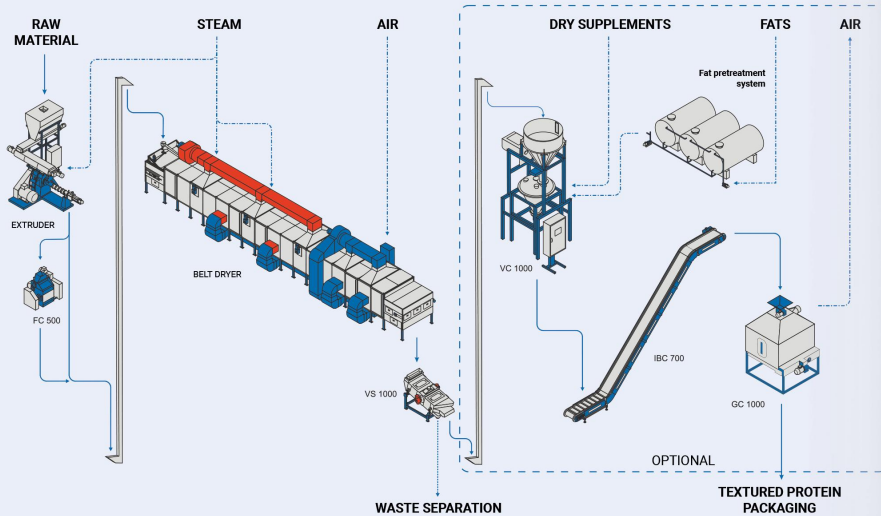
soy protein texturization line: layout, machinery, startup, spare parts, technical support

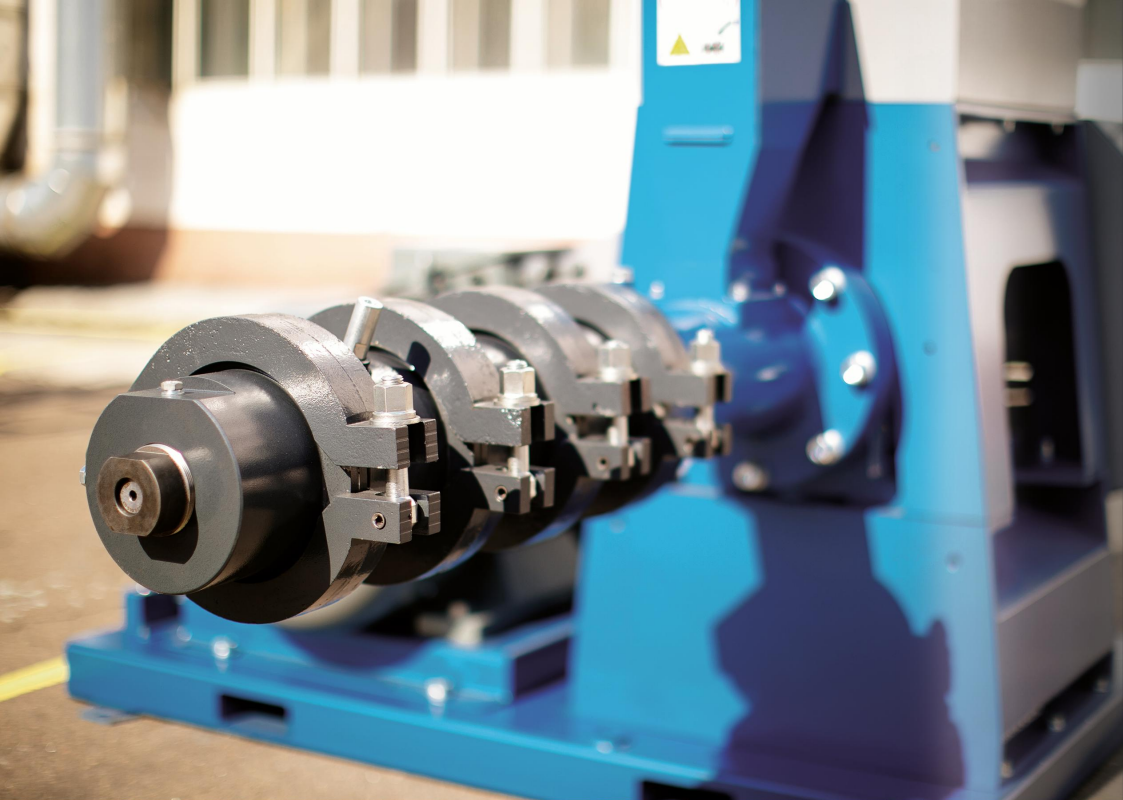
Provides a complete technological cycle for the production of textured vegetable protein (TVP) from defatted soy meal or grits, including extrusion, texturization, drying, and rehydration.

We provide equipment commissioning, spare parts, and technical support for TVP production.

BRONTO equipment ensures a sustainable and efficient production process, **minimizing environmental impact** and maximizing product quality.

<p>up to</p> <h2>20 tons</h2> <p>of textured soy protein per day</p>	<p>Protein content of up to</p> <h2>45-60%</h2> <p>in the final product</p>
<p>8-10%</p> <p>oilcake moisture</p>	





INNOVATIVE SOLUTIONS FOR AGRICULTURE AND ENERGY

extruders, oil presses, biofuel plants, grain elevators



EXTRUDERS AND OIL PRESSES

EXTRUDERS

Our extruders **offer maximum productivity**, producing a wide range of high-quality products, including pet food pellets and extruded foods. Our innovative technologies ensure consistent performance and energy savings.

We have manufactured over

2500 extruders

with a capacity of

150 to **1700** kg/h



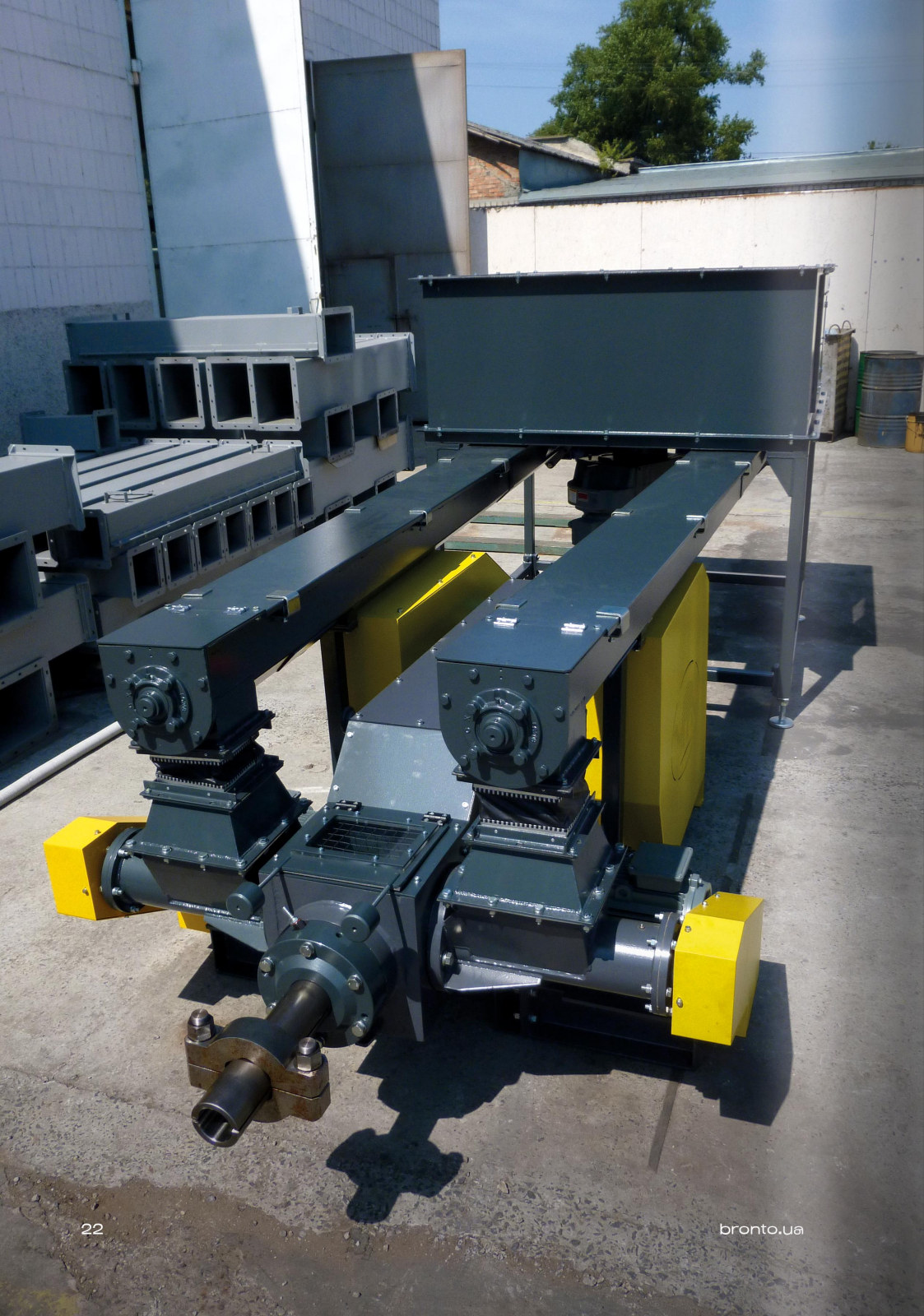
OIL PRESSES

BRONTO oil presses offer **superior quality**, natural oil extraction **without compromise**. Designed for efficiency and ease of use, our presses are ideal for businesses of all sizes and offer low operating costs.

We guarantee no more than

8% residual oil content in the cake





CONVEYOR SYSTEMS FOR GRAIN AND EQUIPMENT FOR BIOFUEL PRODUCTION

GRAIN HANDLING

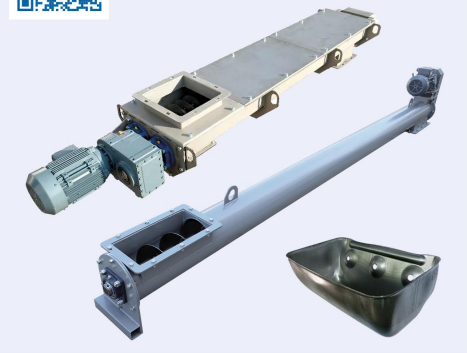
BRONTO high-performance bucket elevators offer **efficient and reliable transportation** of grain and other goods. Our technology allows to minimize losses and optimize logistics.

Vertical transportation distance of raw material up to

60 m

Transportation distance of raw materials up to

75 m



BIOFUEL PLANTS

Environmental friendliness and autonomy. Biofuel systems convert waste into valuable energy, saving resources and fostering sustainable development.

Increase fuel mobility by

800%

The energy value of 1 kg of fuel by

250%



BRONTO CASE STUDY

manufacturing of soybean and oilseed processing equipment



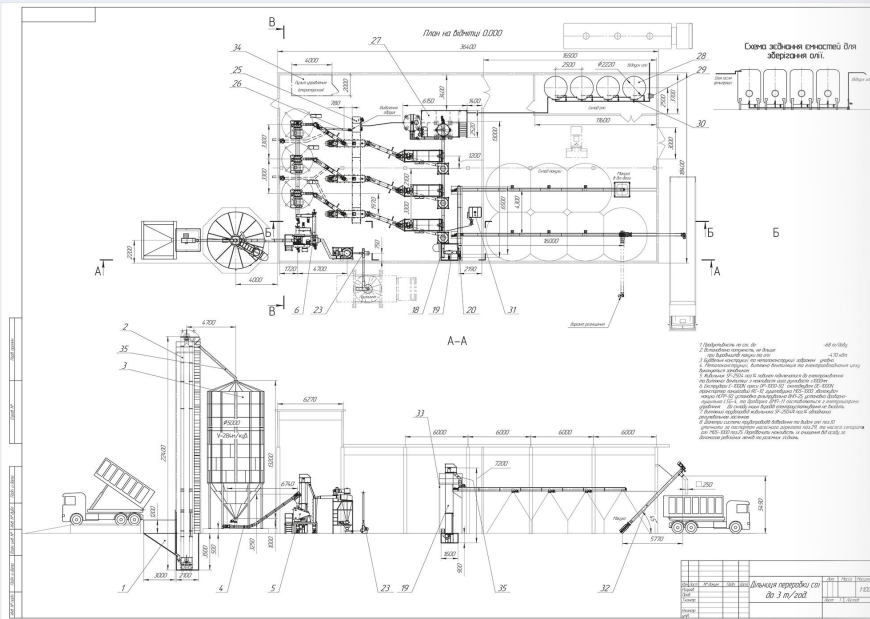
CUSTOMER ORDER

The client requested **the development and implementation of a production line** that would ensure uninterrupted operation in accordance with the latest ISO 9001:2015 standard.



KEY CHALLENGES

- adjusting the equipment to fit the physical space limitations of the facility (dimensions, height, power supply capacity)
- logistics integration of the line into production processes
- establishing deadlines and budget with the client.



IMPLEMENTATION PROCESS

01

The facility confirmed as suitable for production purposes

02

A logistics scheme developed to improve the efficiency of processes within the production workshop

03

A layout sketch of the equipment created

04

Project timeline and budget confirmed by both parties

05

Equipment manufactured in accordance with ISO 9001:2015 standards

06

Delivery, installation, and commissioning organized and provided

07

Instructions provided and staff trained to operate the equipment

08

Guaranteed 1-year warranty and unlimited post-warranty support

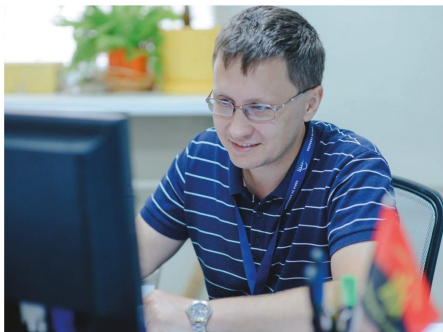
OUTCOME:

- **complete solution:** a cutting-edge, high-performance oilseed processing line
- quality guaranteed by BRONTO
- these machines are engineered for **24/7 operation**, delivering **high throughput and efficient processing**.



OUR TEAM

engineers, designers, and quality assurance specialists



The BRONTO team is:

- **Highly skilled professionals**

who deliver exceptional quality at every step of the product's lifecycle.

- **Engineers, designers, and quality assurance specialists**

work to ensure that every BRONTO solution meets your requirements and standards.

For any questions, please contact us

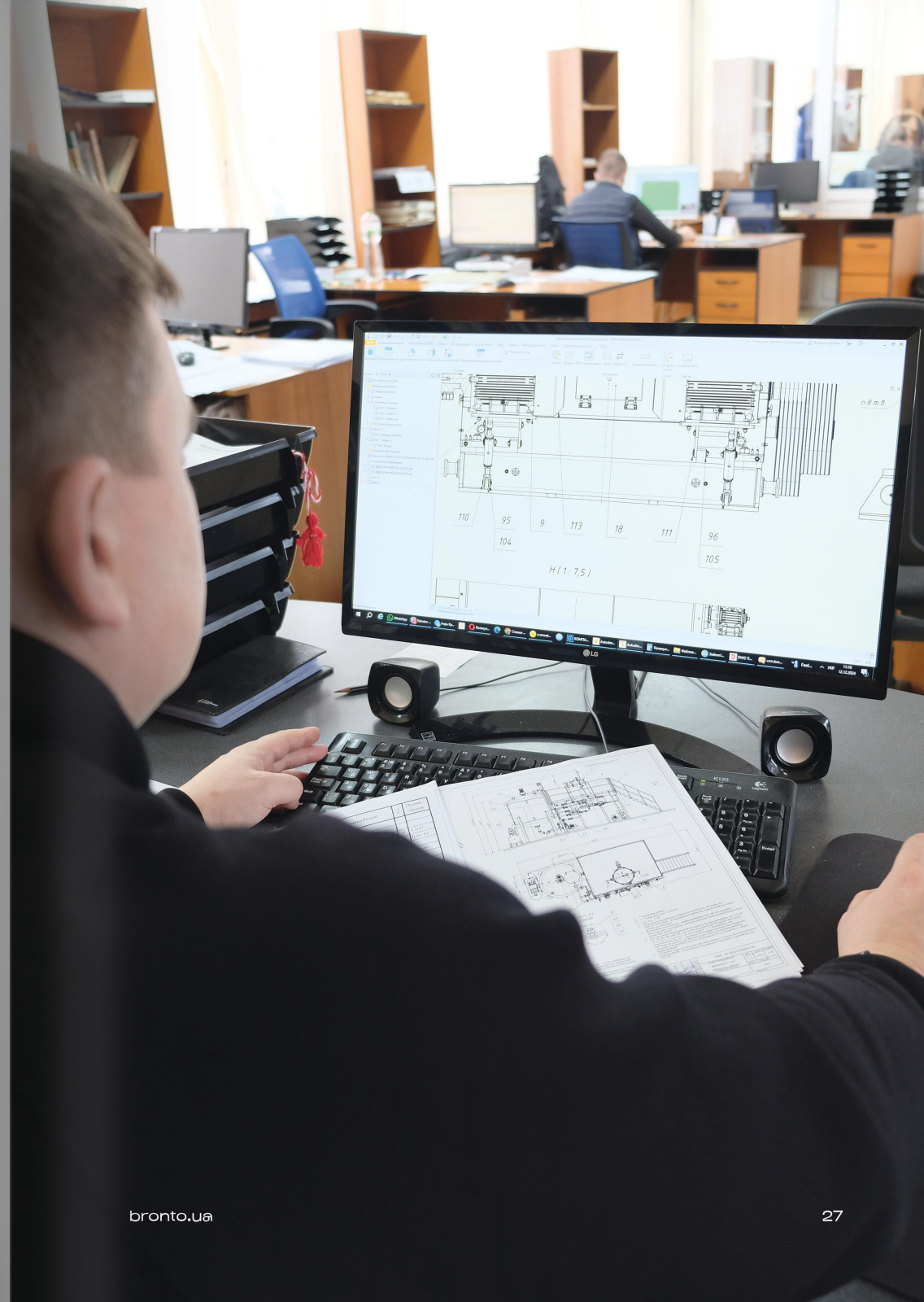
- product pricing
- line layouts
- contract preparation
- completion times
- order shipping
- spare parts



Get in touch with our sales team to discuss pricing, lead times, and our standard terms and conditions:

+38 067 650 40 05
bronto@bronto.ua

“ We believe that quality originates from professionalism, which is why our team **prioritizes innovation and meticulous attention to detail.** ”





CUSTOMER SUPPORT

maintenance and repair technicians



BRONTO technical team:

- **We offer world-class service and support**

through an extensive network of regional offices.

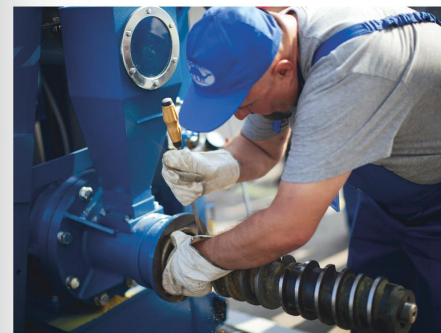
- **We handle all aspects of equipment support, from setup and startup to maintenance and repair**

to ensure continuous operation in 63 countries across the globe.



If you have questions, please ask

- installation supervision
- start-up and adjustment of lines
- equipment operating mode
- warranty support
- product defect detection and repair



Discover our installation, startup, and repair services:
+38 067 650 40 05
support@bronto.ua

“ We are on hand to ensure the stability and reliability of our equipment.

SOCIAL PROJECTS:

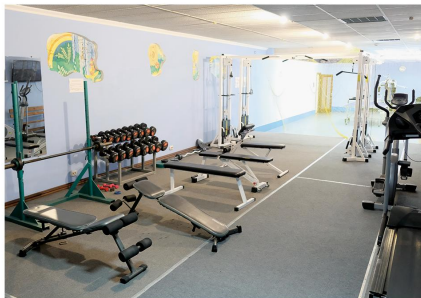
rehabilitation programs, training projects,
and support for industry promotion



BRONTO is committed to more than just manufacturing high-quality equipment; we actively invest in our employees, support the local community, and promote the advancement of modern technologies.

WHY DOES THIS MATTER?

1 By investing in professional growth of employees, the company creates an attractive work environment and fosters employee loyalty.



2 The training provides employees with new knowledge and skills, resulting in increased efficiency of job performance.

3 Partnerships with scientific institutions facilitate the creation of advanced technologies.



” BRONTO is committed to social responsibility, building a thriving environment for our employees while playing a key role in advancing the industry as a whole.

 <p>Employee health and well-being</p>	<p>BRONTO creates conditions that promote the physical and psychological well-being of its employees:</p> <ul style="list-style-type: none"> • Employee health insurance. • Regular medical check-ups, vaccinations, and health-preserving measures. • The company offers a gym facility for the employees.
 <p>Investing in education and development</p>	<p>At BRONTO, we encourage professional growth and learning:</p> <ul style="list-style-type: none"> • Corporate training for employees. • Career development programs for students and young professionals. • Partnerships with universities to support student and graduate research projects.
 <p>Raising awareness of BRONTO technologies</p>	<p>The company fosters the implementation of innovations in industry:</p> <ul style="list-style-type: none"> • Organizing and attending scientific and technical conferences. • Equipment demonstrations and presentations of technological solutions at exhibitions and in production environments.
 <p>Social responsibility</p>	<p>BRONTO is actively engaged with local communities, supporting key initiatives:</p> <ul style="list-style-type: none"> • Funding of regional, scientific, social projects and rehabilitation centers. • Ecological responsibility by implementing eco-technologies and reducing environmental impact. • Supporting community development through investments in local projects.

HISTORY OF BRONTO

1960s

1967

Company foundation

1970s

1970

First office and production workshops built

1974

Grain dryer DSP 32 production began

1990s

1994

CherkasyElevatorMash was founded

1998

The **BRONTO brand** was established and the first extruders were manufactured

2000

Began first export activities

2000s

2004

Start of sales in Europe, launch of the **EXTRUtec** conference

2008

BRONTO's global brand positioning, EXTRUtec international conferences in Europe, South America, and India

2010s

2010

Introduction of **KAIZEN** management system and **ISO 9001-2000** certification

2012

10-year development plan, EXTRUtec conference

2018

ISO 9001-2015 certification

2019

Creation of a BD feed dryer, a VC vacuum coater, and a VS vibrating separator

2020s

2020

Development of an oil filtration line VNP-10A

2022

Implementing automation elements in a soybean processing line

2023

Manufacturing of a mechanical oil separator MOS-500, MOS-1000

2024

Bucket elevator, inclined chain conveyor, automated oil filtration line were designed and created

Make history with us...

