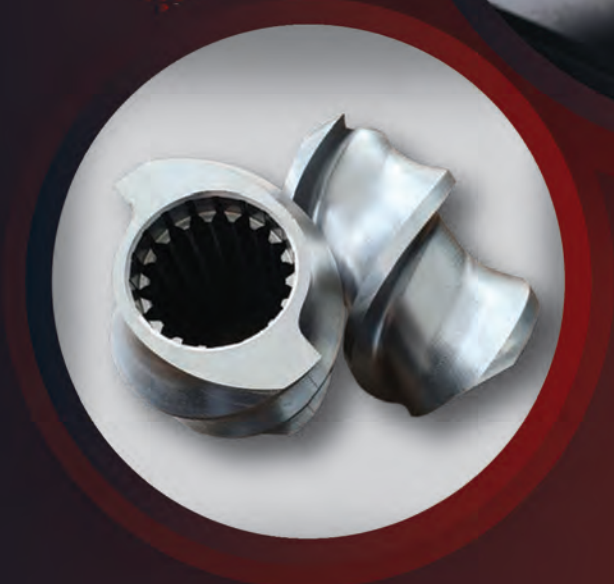
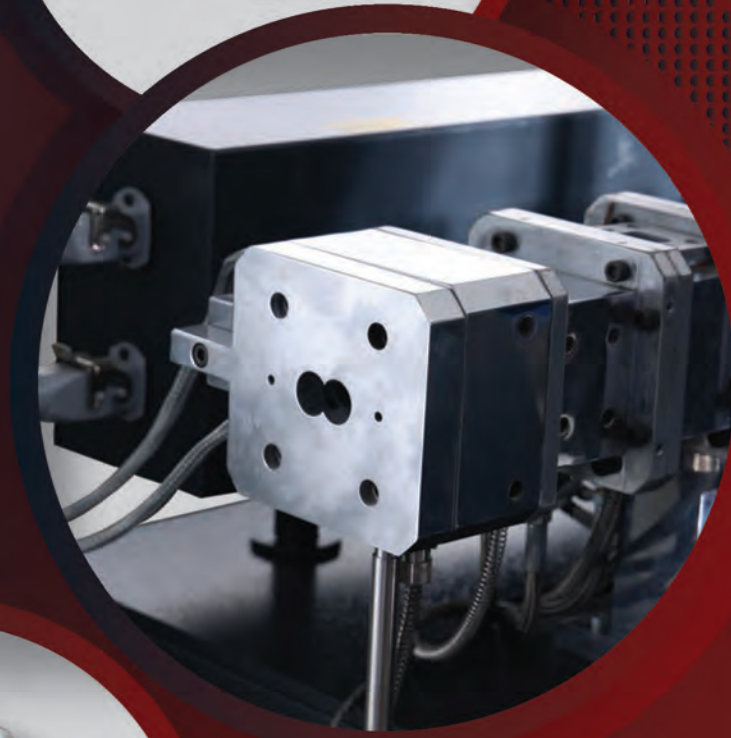
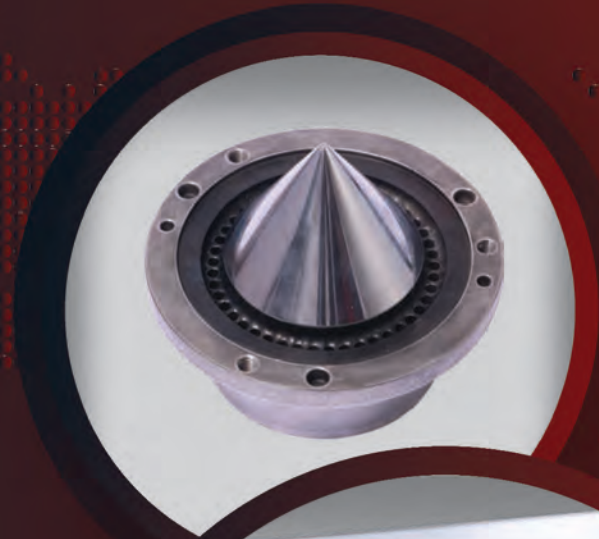




PI NO MAKiNE



Twin Screw Extruders &
Auxiliary Equipments
Compression Presses

www.pinomakine.com

PRODUCTS GROUP

Machines

Twin Screw Extruder Models
Compression Presses
3D Printer Filament Production Line

Spare Parts

Granulator and Strand Pelletizer
Blades
Underwater Pelletizer Die Plate
Twin Screw Extruder Screw
Elements and Shaft
Extruder Die Head

Auxiliary Equipment

Vibrating Screens
Mixing and Drying Silos
Vacuum Stuffer - Vent Port Side
Degassing
Storage Containers
Packing Scale
BigBag Emptying Station





WE ADD THE VALUE OF TIME TO YOUR BUSINESS

The history of Pino Makine, which works especially on the processing of metal parts of extrusion machines, dates back 20 years before its official establishment.

In the first years Pino Makine team was repairing plastic compound extruders and producing spare parts.

After 2016, Pino Makine started to produce laboratory-size co-rotating twin screw extruders, hot-cold hydraulic presses, 3D printer filament lines and auxiliary equipment for extrusion lines.

Pino Makine moved to Ikitelli Industrial Zone with the acceleration it gained in 2020, continues on its way with great goals for the coming years.

Our Vision

Customers can be integrated into all levels of the value chain of products, solutions, service continuity, and services genially, offering business partner needed to be the first that comes to mind

Our Mission

We have over the years in the plastics industry producer / executive experience, one of the leading universities in Turkey received on plastics and machinery engineering education to our customers with high-quality, seamless, customer-oriented service, the desire of being a young company, with ambition and excitement of the leading companies in the plastics industry and to share this experience with our partners.



Co-ROTATING Twin Screw Extruders





APPLICATIONS

- Thermoplastic production
- Masterbatch production
- Production of high filled plastics
- Production of bio-based plastics
- Special design for food applications
- Powder coating production

MODEL NAME	SCREW DIAMETER (mm)	OUTPUT (kg/h)
PN10 CV - Micro	10	0,05 - 0,5
PN14 CV - LAB Mini	14	0,5 - 2
PN18 CV - LAB Standard	18	2 - 10
PN22 CV - LAB Maxi	22	15 - 50
PN25 CV - PRO Mini	25	20 - 70
PN35 CV - PRO Standard	35	40 - 120



PELLETIZER OPTIONS

- Water cooling strand pelletizer
- Air cooling strand pelletizer
- Air cooling die face pelletizer
- Water ring pelletizer
- Underwater pelletizer

SPECIAL EQUIPMENTS

- Cast film unit
- Blow film unit

EXTRUDER FEATURES

Touch control screen

Electric control panel is built with parts from the World biggest brands

Gearbox designed and manufactured by Pino Makine

Torque limiter for gearbox protection on all models

L/D ratio between 30 and 50 (depends on product specification and extruder model)

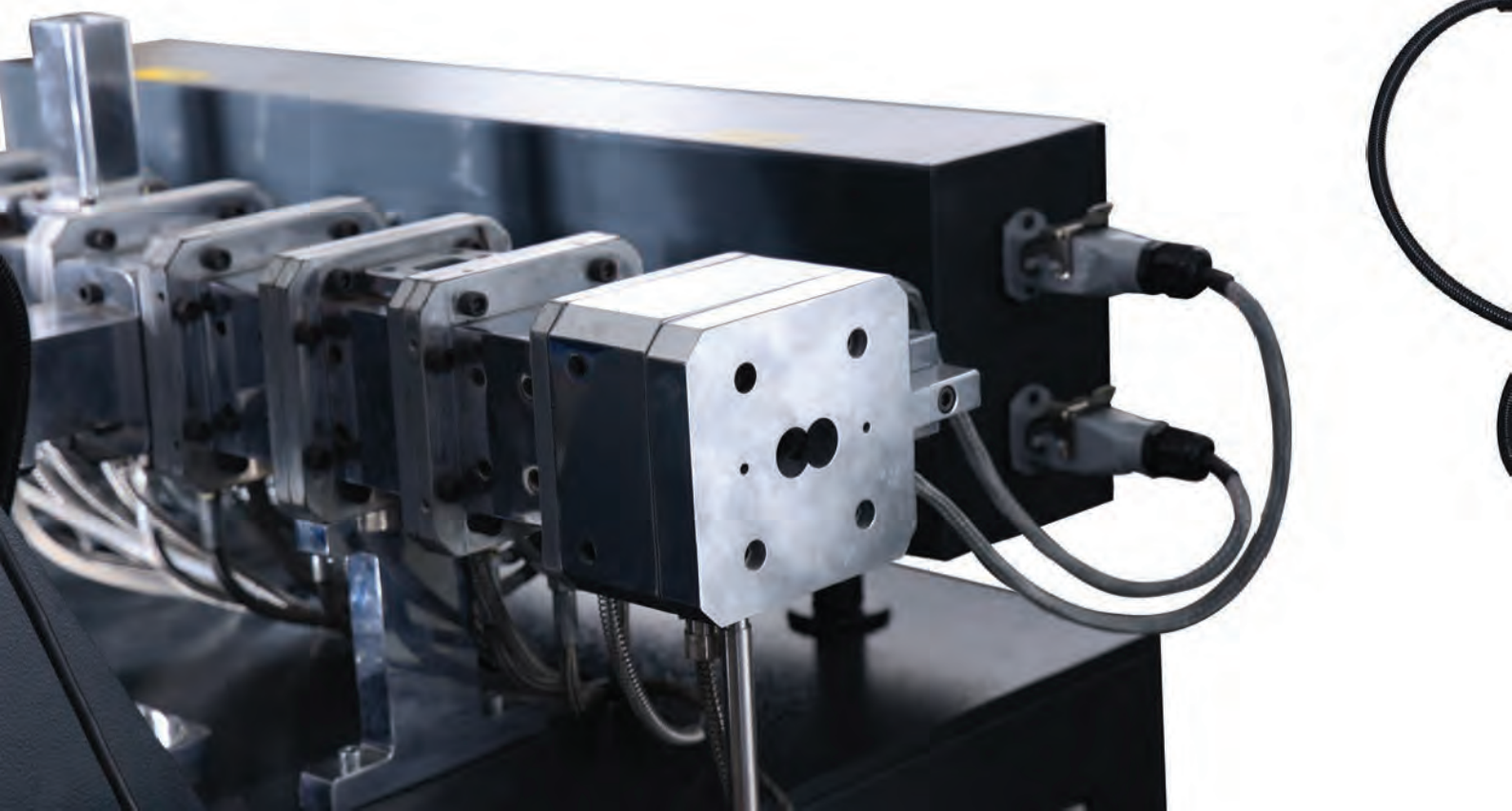
Water heating & cooling barrels

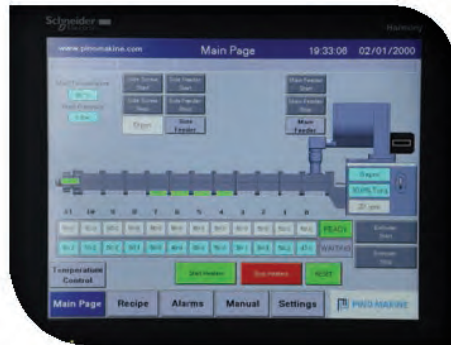
Volumetric or gravimetric feeder options (design and manufactured by Pino Makine)

Side feeders and liquid feeders can be installed

Granule, rubber, wax, powder, etc any type material feeding

12 months standard warranty, optional extended warranty







COMPRESSION PRESSES

Compression presses with different clamping force (from 5 tons to 50 tons)

The distance between tie bars can up to 800*800 mm

Touchscreen control

Compact & reliable design

Effective and stylish interior lighting

Fully opening sliding security door

Different temperature values in the upper and lower tables at the same time

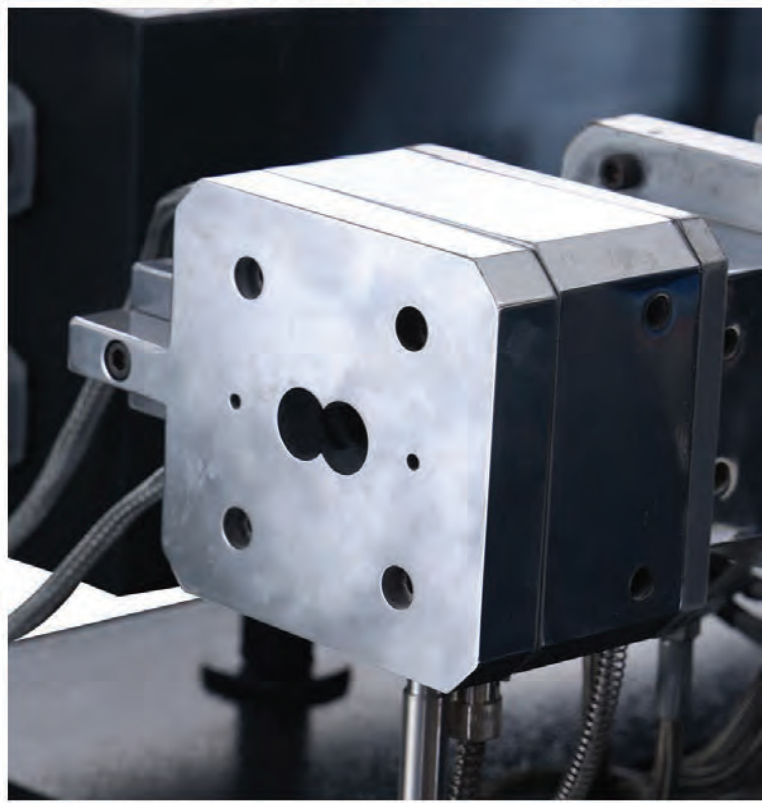
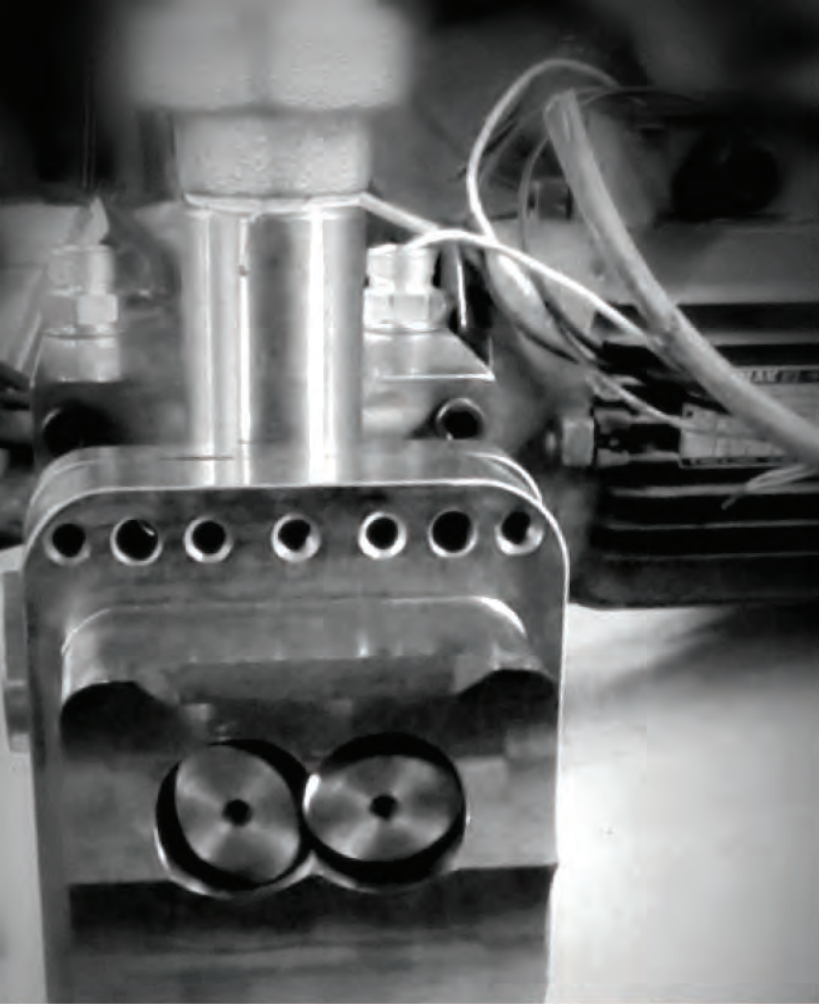
Applying the required pressure for the specified time

Temperature upper limit up to 350 C

Setting pressure time

Manual or semi-automatic operation







3D PRINTER FILAMENT PRODUCTION LINE



FILAMENT EXTRUDER FEATURES

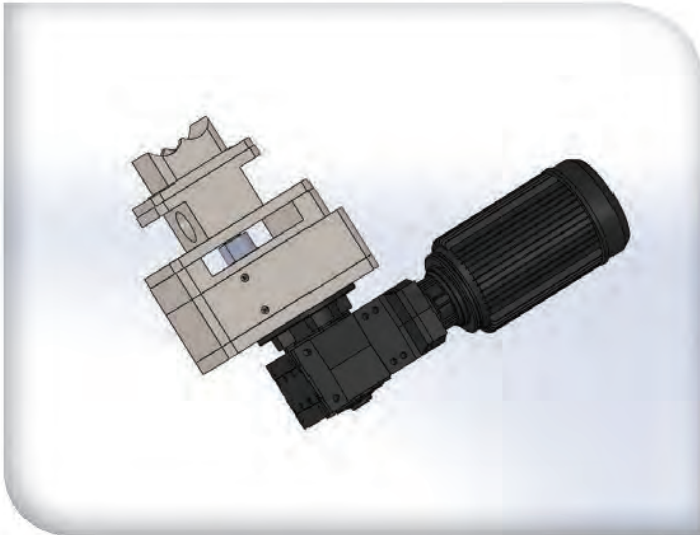
- Different filament materials can be used like PLA, ABS, PA, PET-G, TPE, TPU
- Die are in the dimensions of 1.75 / 3.00 mm. Material is stainless steel AISI 316
- Screw and barrel materials are 38CrMoAlA nitride steel, nitriding layer 0.5 – 0.7mm with hardness HV850-940
- Dual type laser diameter gauge with accuracy: +/- 0.01mm +/- 0.008%
- Turnkey lines include cooling bath, haul-off and coiler.

You can develop your own filament raw material with our Co-ROTATING TWIN SCREW EXTRUDERS.

MODEL NAME	PRODUCTION SPEED (mt/min)	OUTPUT (kg/h)
Filament – 2	4 – 6	1,5 - 2,5
Filament – 20	40 – 60	18 - 23

You can develop your own filament raw material with our Co-ROTATING TWIN SCREW EXTRUDERS.

TWIN SCREW VACUUM STUFFER – VENT PORT SIDE DEGASSING



In productions with vacuum problems, min. 30% capacity increase is providing

Allows the extruder to operate at maximum capacity on any material

No need for operator control for products with vacuum discharge

Increases work safety

Ends environmental pollution

Quality improvement is achieved for granules

Easy assembly and disassembly

It has a self-cleaning feature

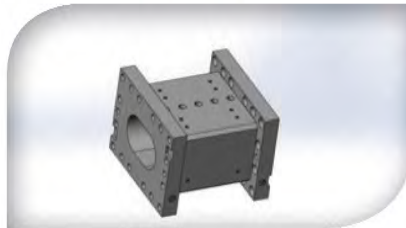
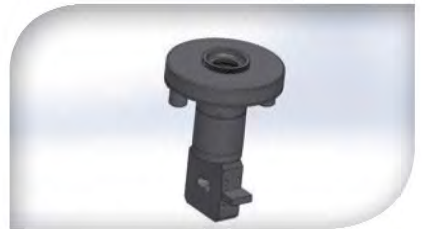
Can be produced for any make and model twin screw co-rotating extruder

Possibility of mounting in all directions, safe and simple use

Manufactured very precisely using the highest quality components

SPARE PARTS FOR TWIN SCREW EXTRUDERS

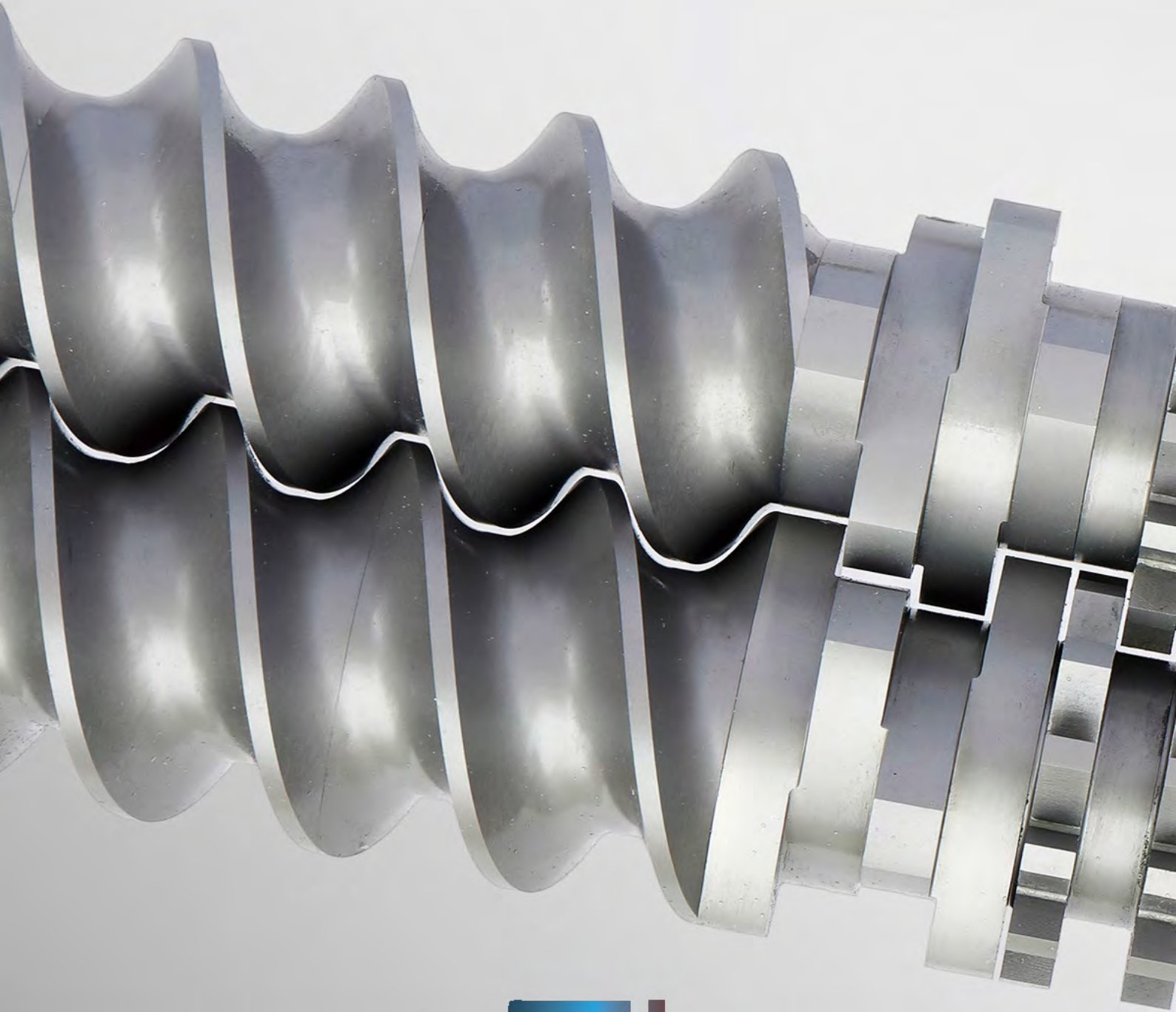
- Screw elements and shaft
- Strand pelletizer rotor blades
- Extruder strand die plate
- Underwater die heads
- Underwater die face blades
- Liner for barrels
- Gravimetric feeder screws
- Vacuum adaptor
- Blade holder & any parts for twin screw extruders...



SERVICES FOR ANY COMPOUNDING EXTRUDER

- Gearbox repair
- Barrel cleaning and liner change
- Gear pump repair
- Continuous filter repair

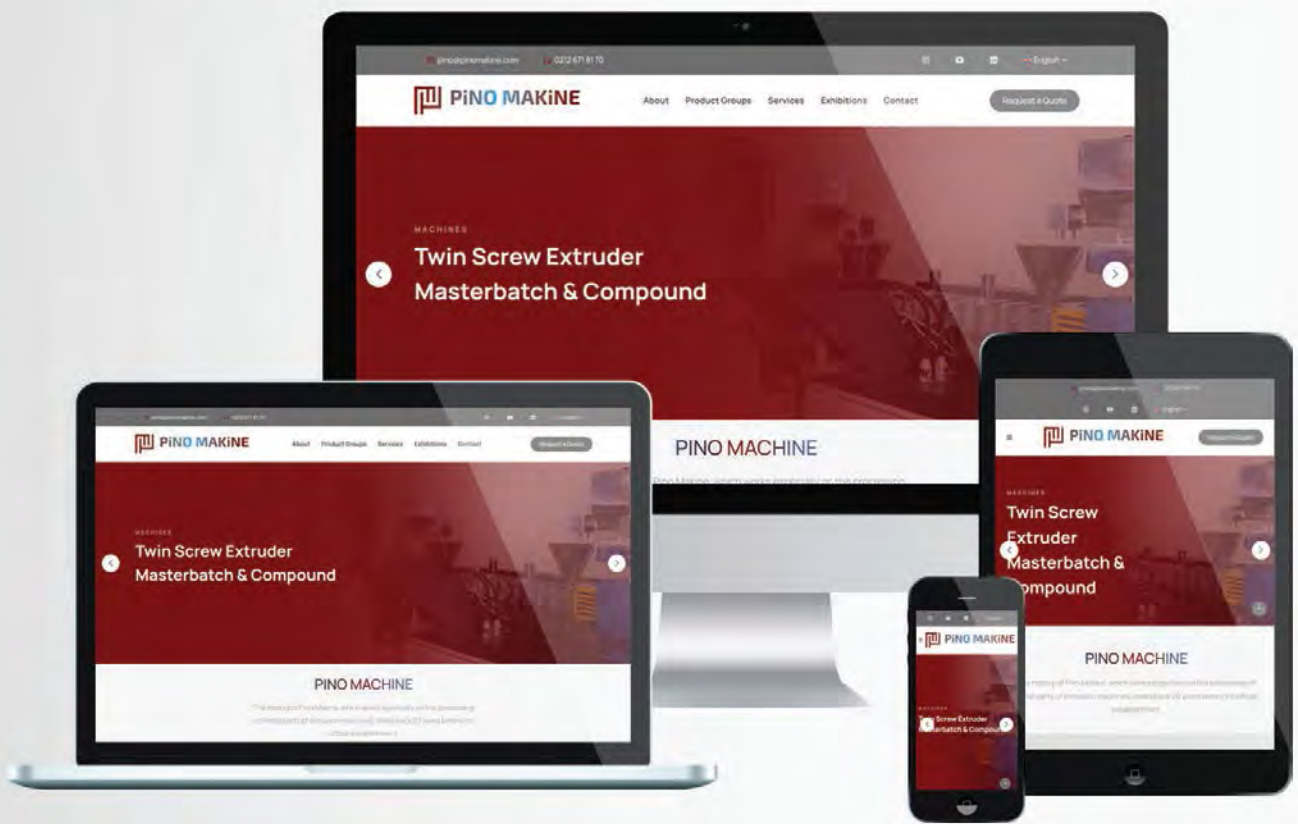




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For more information



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Twin Screw **Extruders** &
Auxiliary Equipments
Compression Presses

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