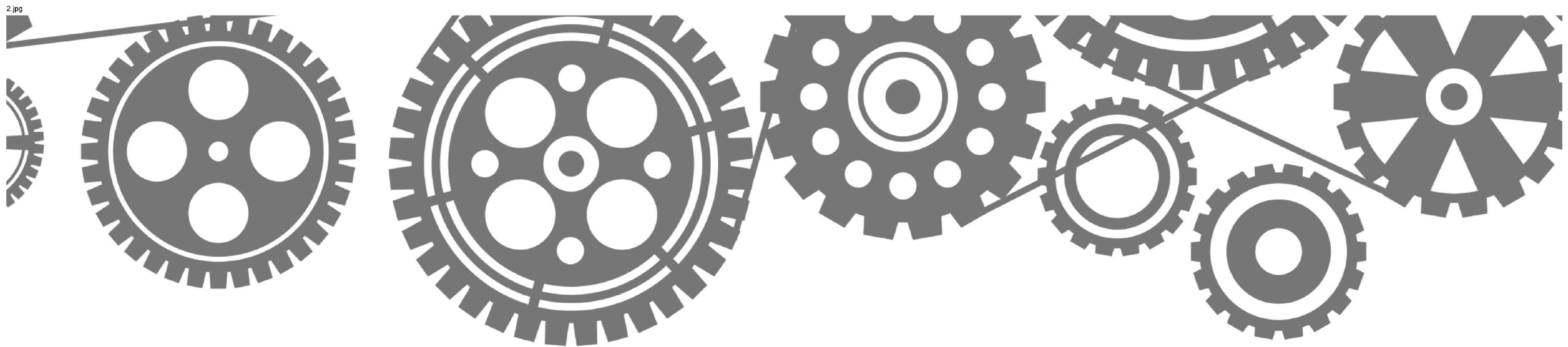




FAN GOSTAR POOYA

Designer and manufacturer of
special industrial machines
and production lines



فن گستر پویا (دانش بنیان)

طراح و سازنده ماشین آلات صنعتی خاص و خطوط تولید

درباره ما

شرکتی دانش محور، جوان، خلاق، در مسیر رشد و شکوفایی

نگاه به وضعیت کنونی جهان و پیشرفت های روز افزون در حوزه های گوناگون مؤید این نکته است که همگام

سازی با فن آوری های روز دنیا جز اولویت ها محسوب می شود

شرکت فن گستر پویا از ابتدای سال ۱۳۷۶ تلاش کرده تا در این روند سهیم باشد و در زمینه طراحی

و ساخت پرسهای خاص ، ماشین آلات برش و رشته کن ورق ، اتوماسیون خطوط پرس کاری و برش کاری

ماشین آلات صنایع لوازم خانگی ، نفت و پالایش و ماشینهای خاص نقش قابل توجهی در کشور ایفا نموده

و به یاری خداوند این روند را ادامه خواهد داد

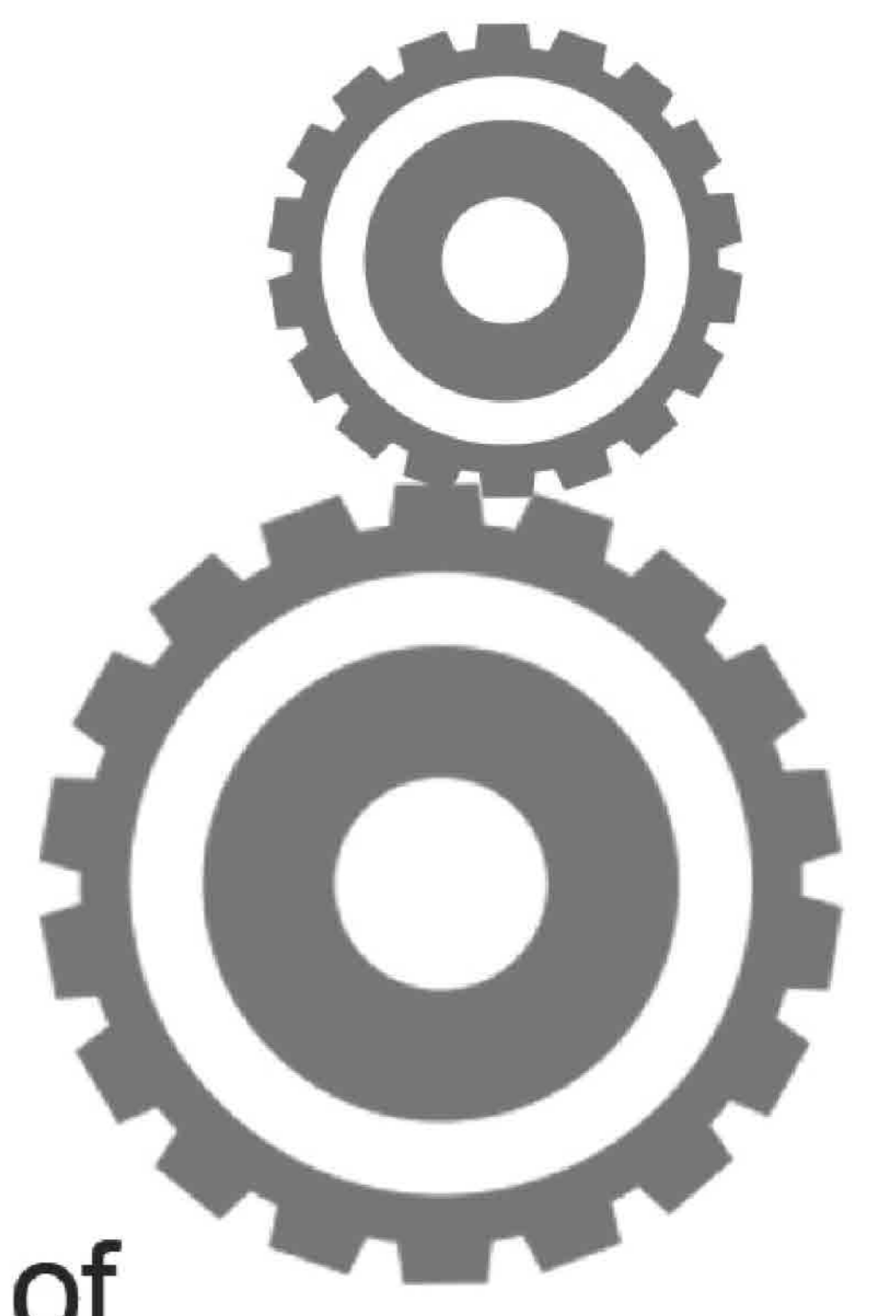
The world is rapidly developing and advancing to have a better life & healthy existence.

The people who have a more effective role in this development and advancement are respectable & adorable in the opinion of people around the world .

Fan Gostar e Pooya company has attempted to contribute in this process since 1997 , and has played an observable role in the field of designing & manufacturing special press , cutting & slitting lines , automation of household device industry machineries , oil & refinery& specific mechines .

And with the help of God , this company will continue this policy .

Presses



One of the main objectives of FGP & Co

Since its establishment it has been designing and manufacturing different type of presses.

In this way the company has been able to design and produce and exploit different presses.



1-C frame (crank shaft) presses

2-H frame (crank shaft) presses and also special designs

3-Double action (crank shaft) presses

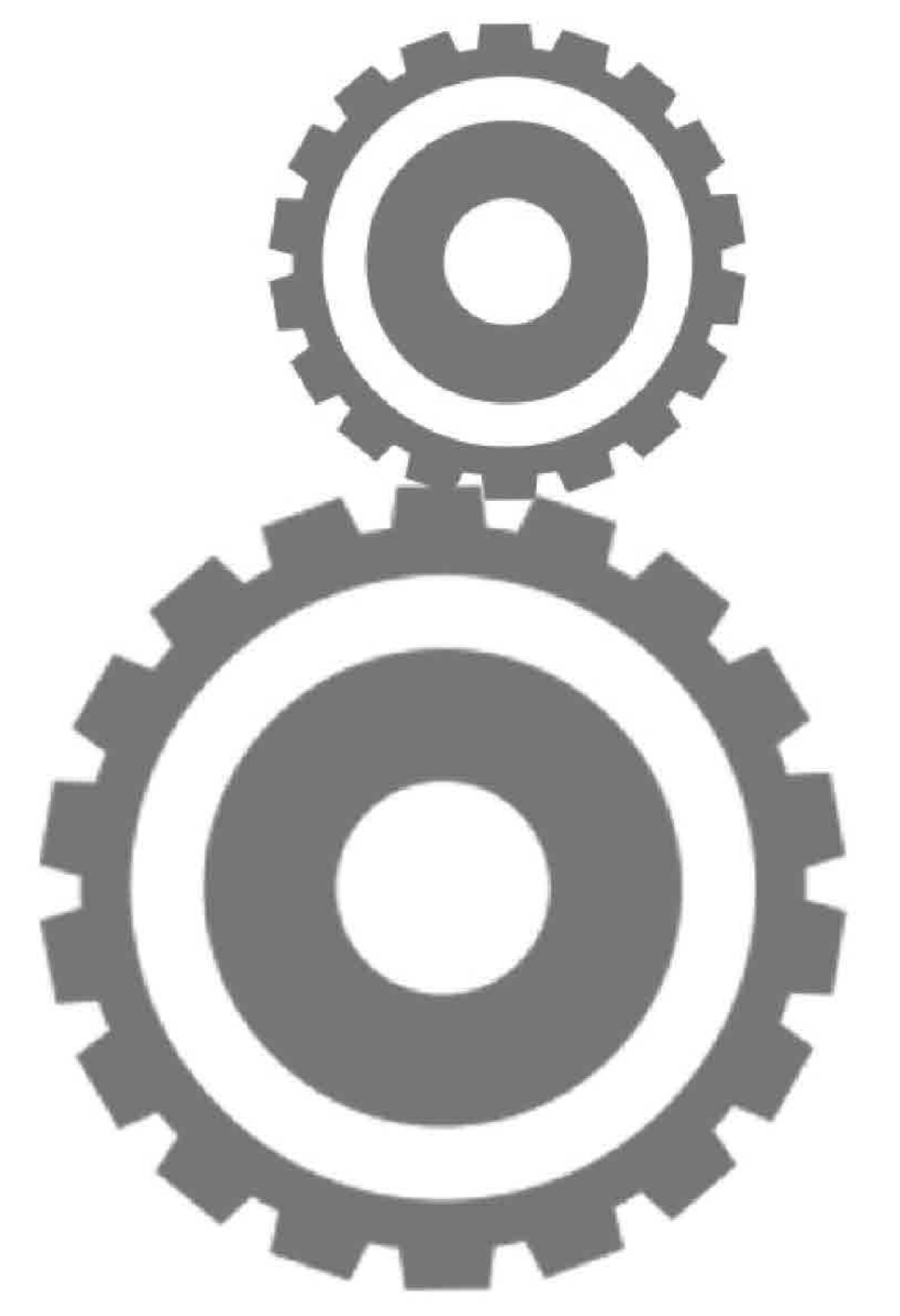
4-knuckle joint presses

5-hadraulic presses



Press

Double Action Press



- Has two main and middle – ram
- Courses based on customer demands
- Has steel chevron gear and for low tonnage has spur gear or helical gear
- Advanced pneumatic clutch and brake systems
- The main ram has balancers
- Detachable feeder and puller mechanically , roller and CNC



Feeder and puller

The system is designed for the sheets and for more accurate movement of ± 0.1 mm, which are linked together mechanically and receives its forces from the crankshaft. The system is able to adjustable for all the feeding sheets form 5mm to 100mm.

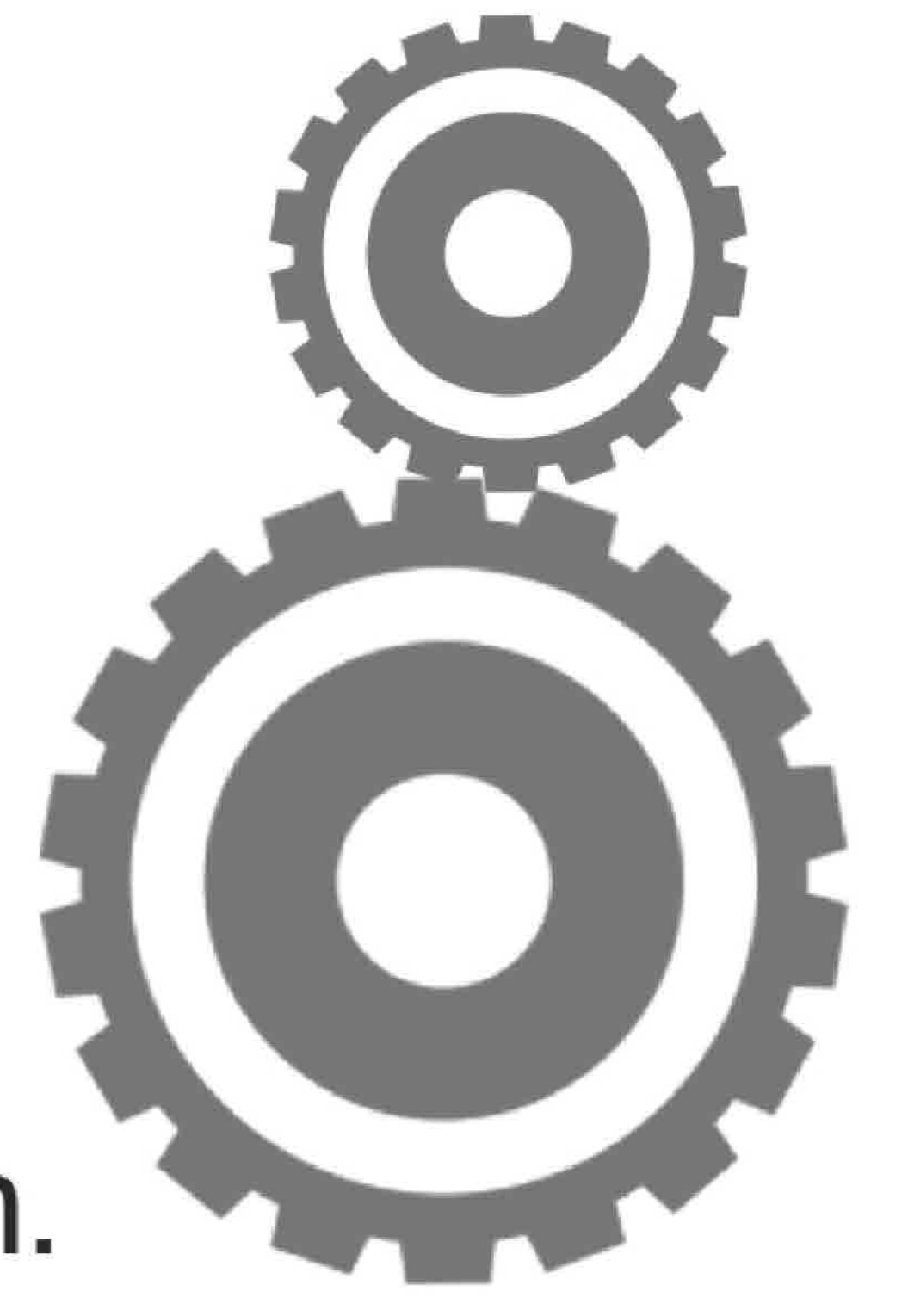
Also feed position is adjustable relative to rams move.

Feeder and puller have two hardened steel rollers with hard chromium coating that prevents from moving backwards the sheet by cam clutch bearing.

Puller aperture is adjustable by pneumatic jacks.

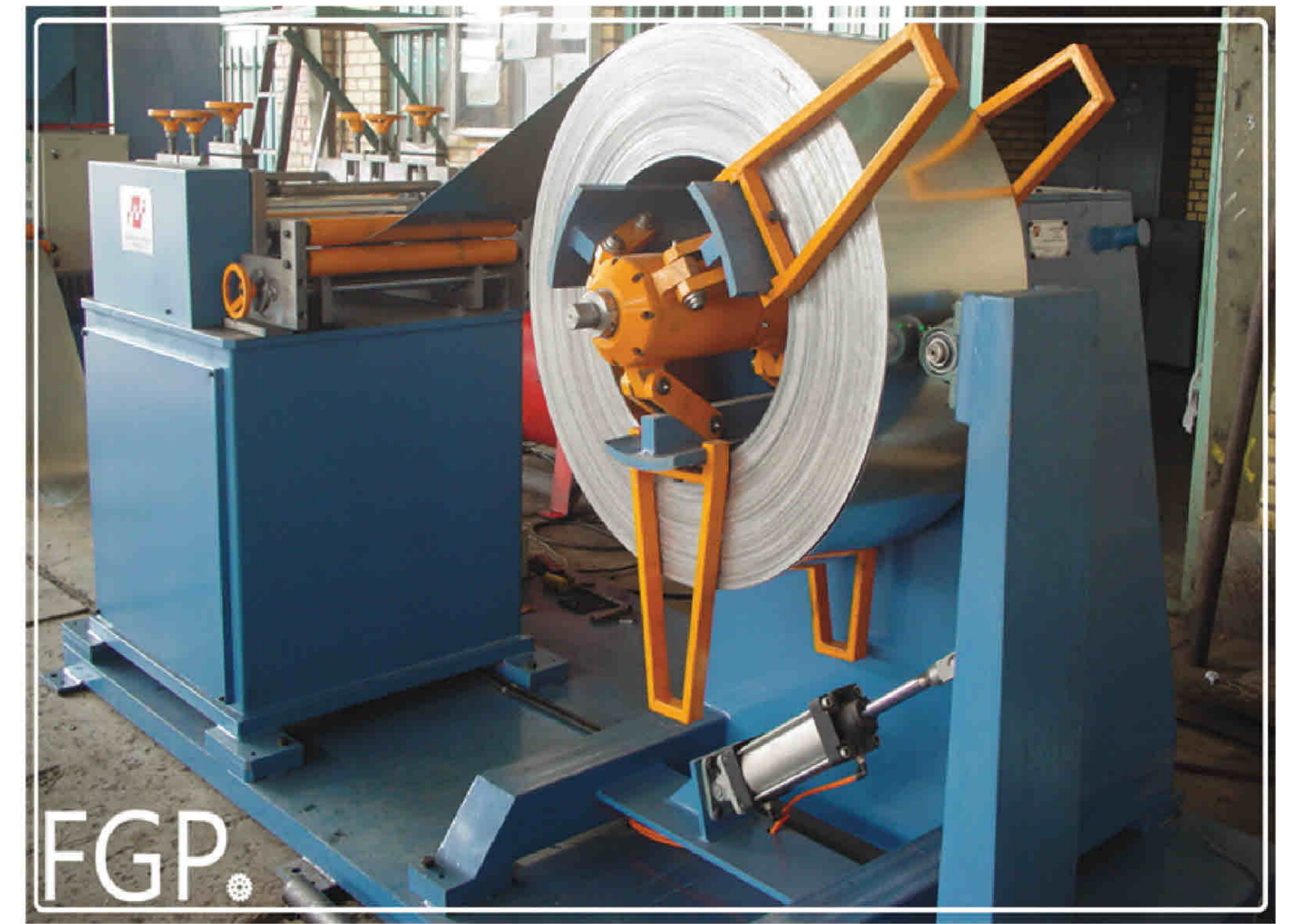
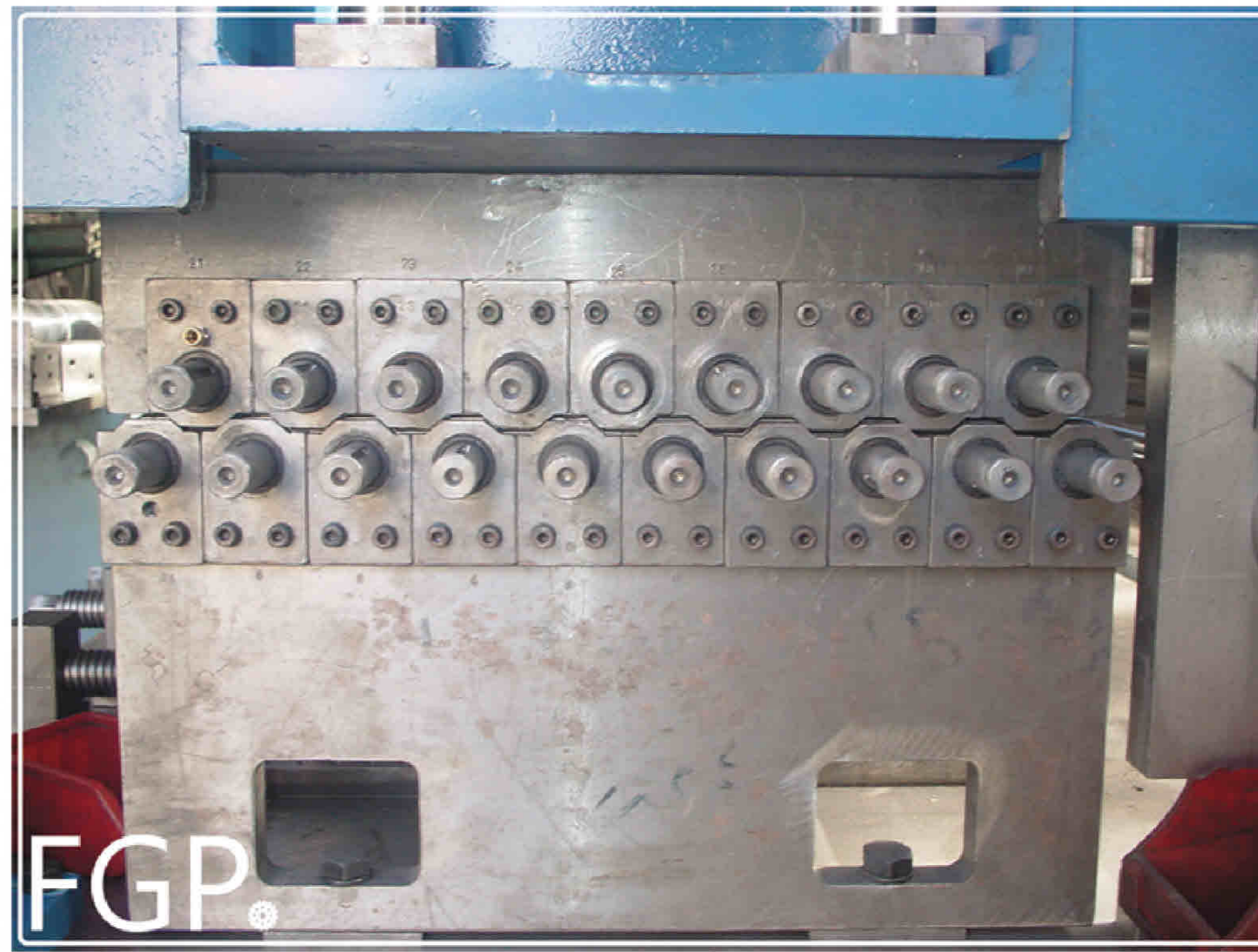


Pressing and cutting automation



These days many manufactures have a tendency to do a mass automated production as this is the only way of economic and cost effective production.

In order to meet the market requirement FGP & Co has solid and extensive experience in design and manufacturing of different machine types including but not limited to



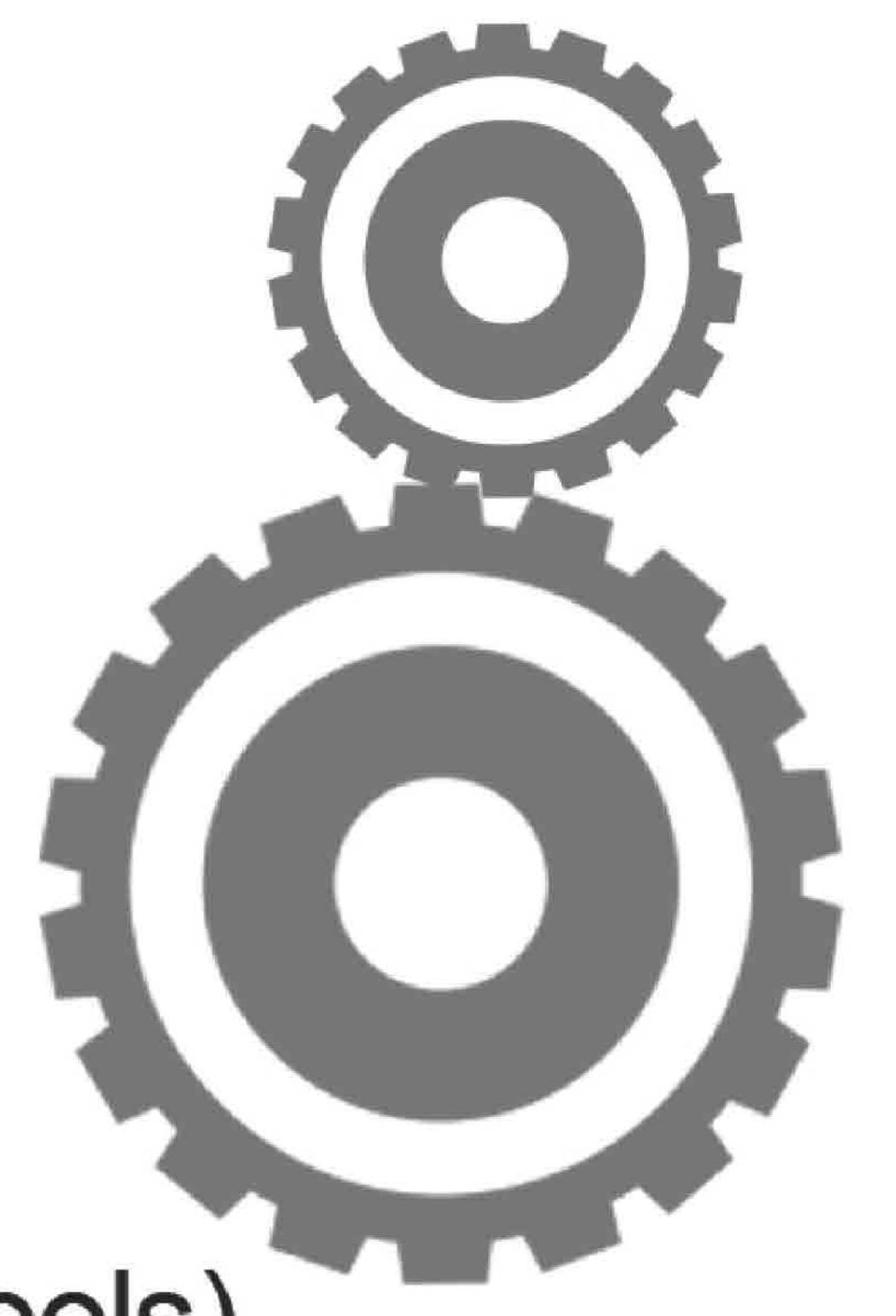
- Decoilers
- Straightener,
- Feeder (pneumatic, roller, CNC, mechanical roller)

And more importantly making combination of the above machines (According to customer requirements)



Cut to length sheet (NC)

(with leveler machine and complete sheet organizer tools)



Cut to length sheet (NC) (with leveler machine and complete sheet organizer tools)

This cut to length is about 40m and it has a Coil loading car up to 30tons.

A two side decoiler from 470 to 620mm as inside diameter size. Two leveler machines, one for sheets with 0.4 to 1.5mm thickness and the other one is 1.5 to 3mm.

A feeder with ± 0.2 mm is in 1m accuracy.

A high-speed sheet cutter guillotine, with a high-speed sheet transporter and sheet

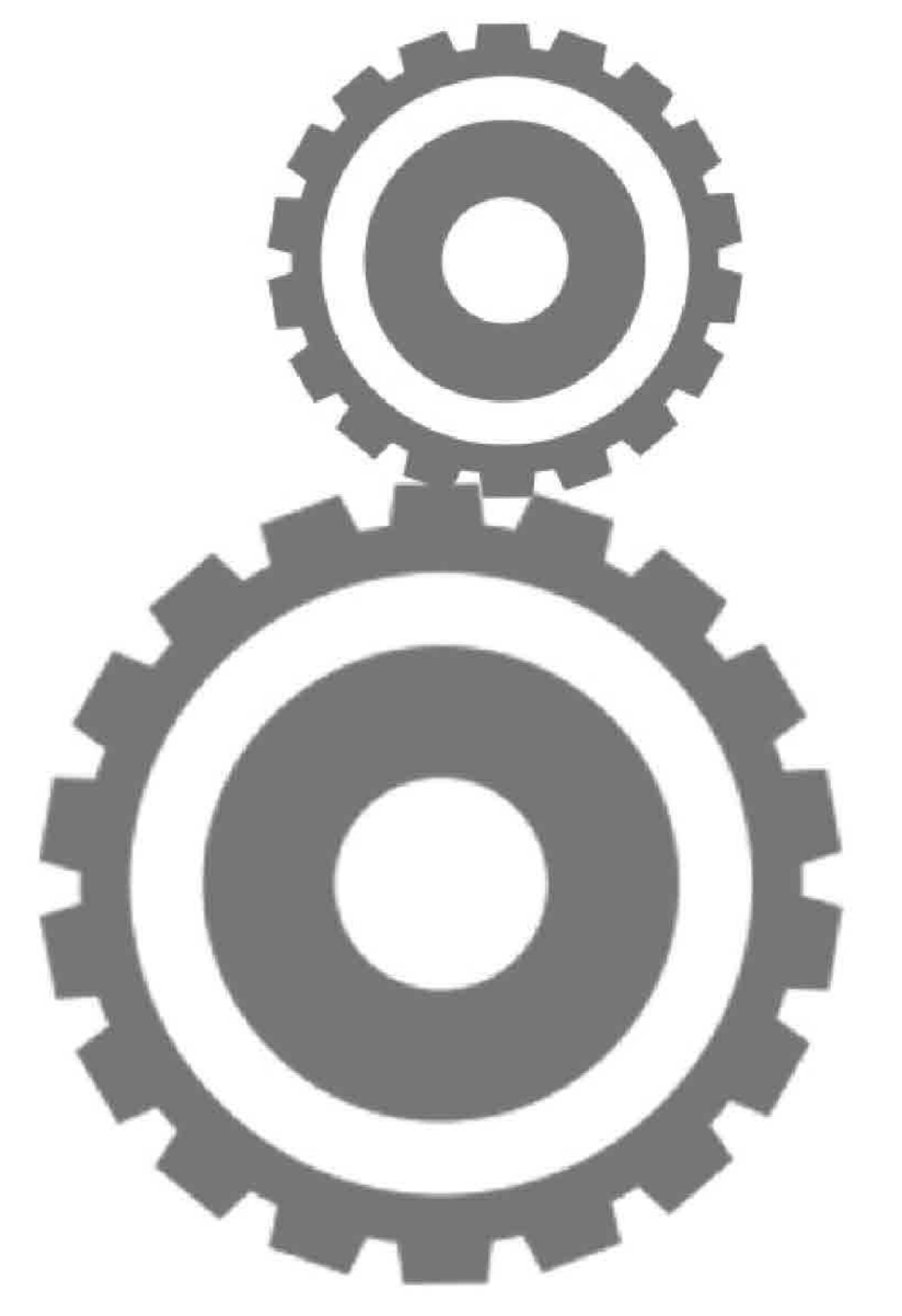


This line is able to cut 16, 2 meters sheets per minute and the output quality is designed for specific usages (full flat sheets especially main vehicles' body and home appliances.)

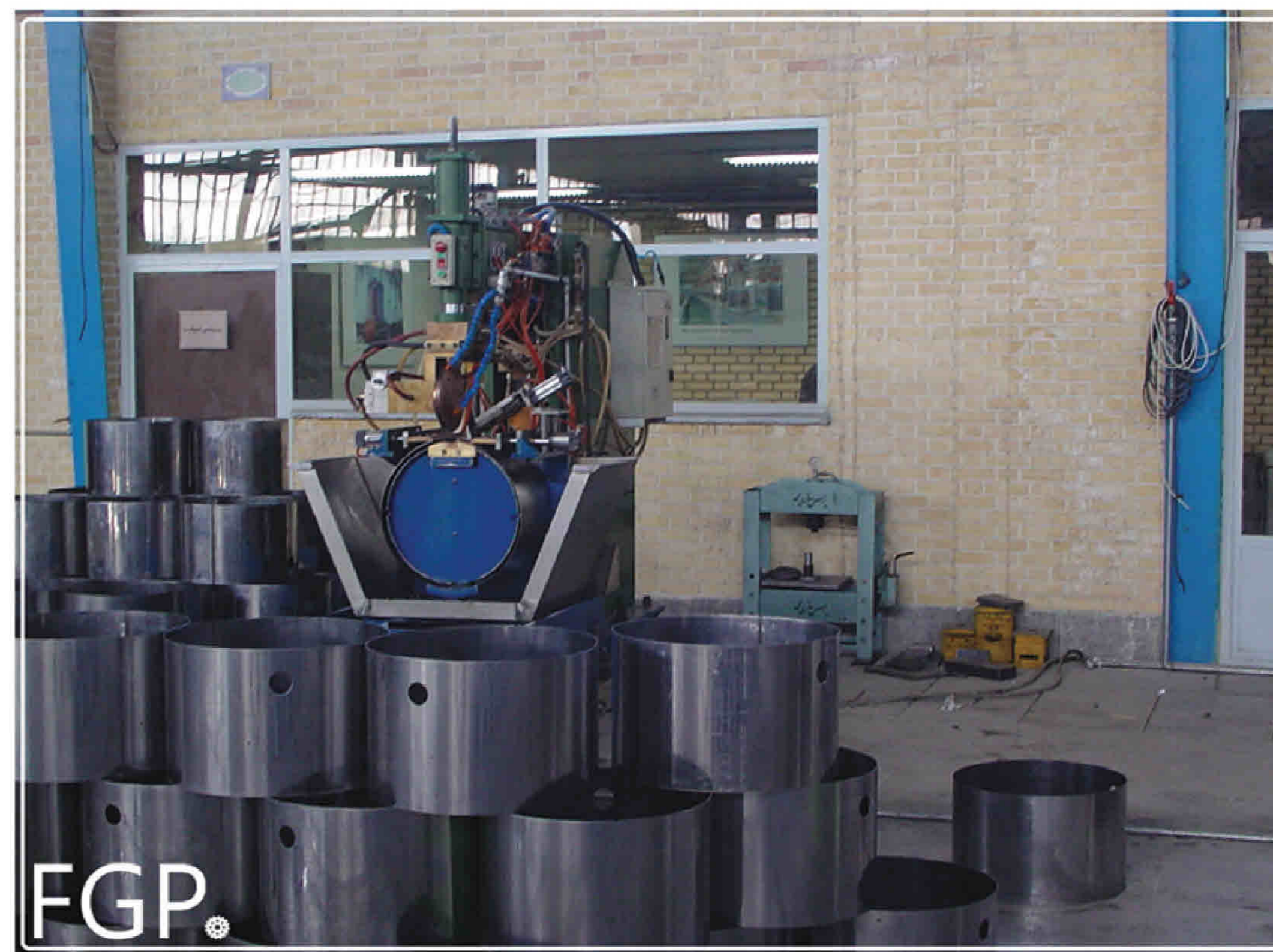
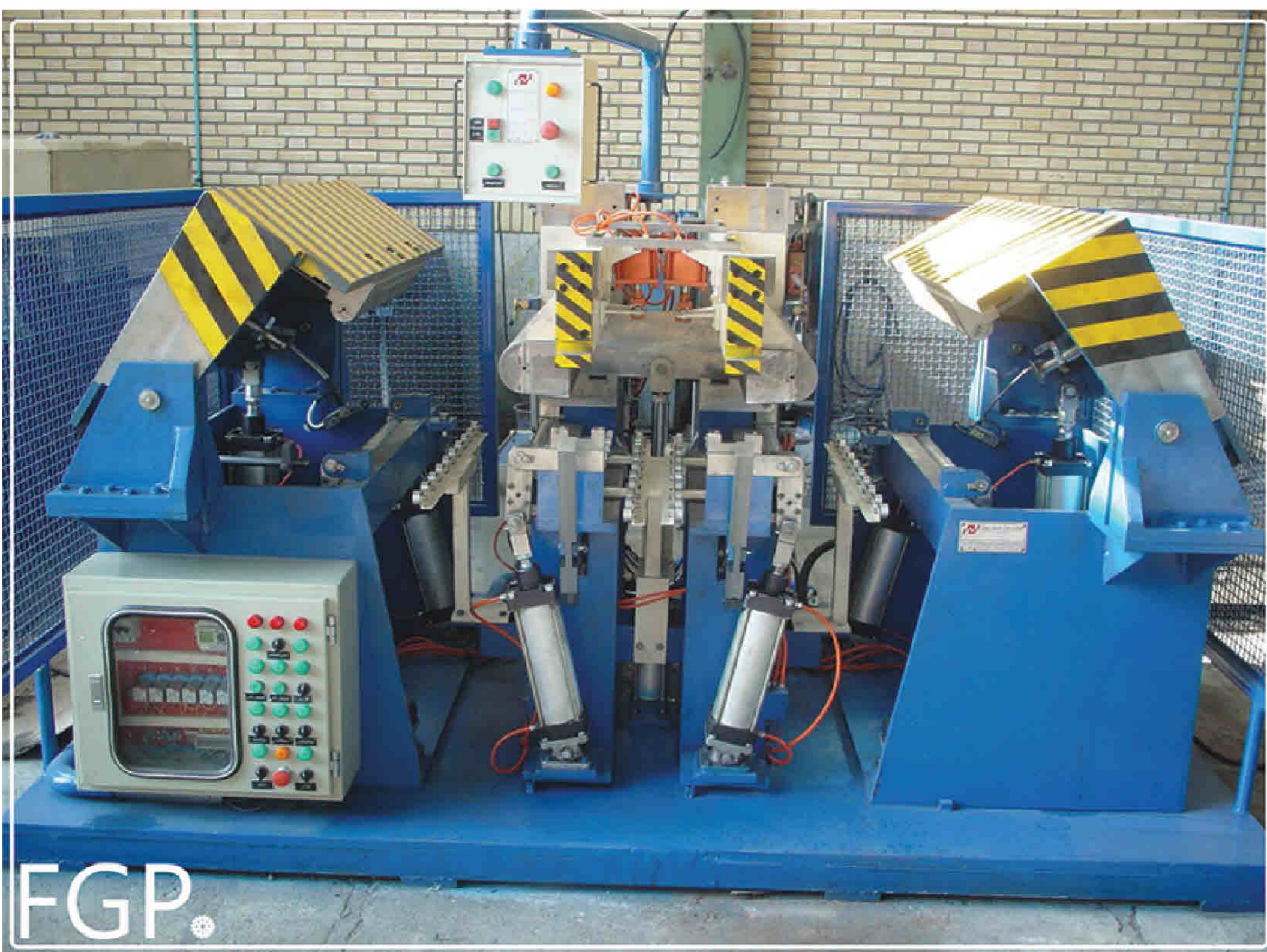
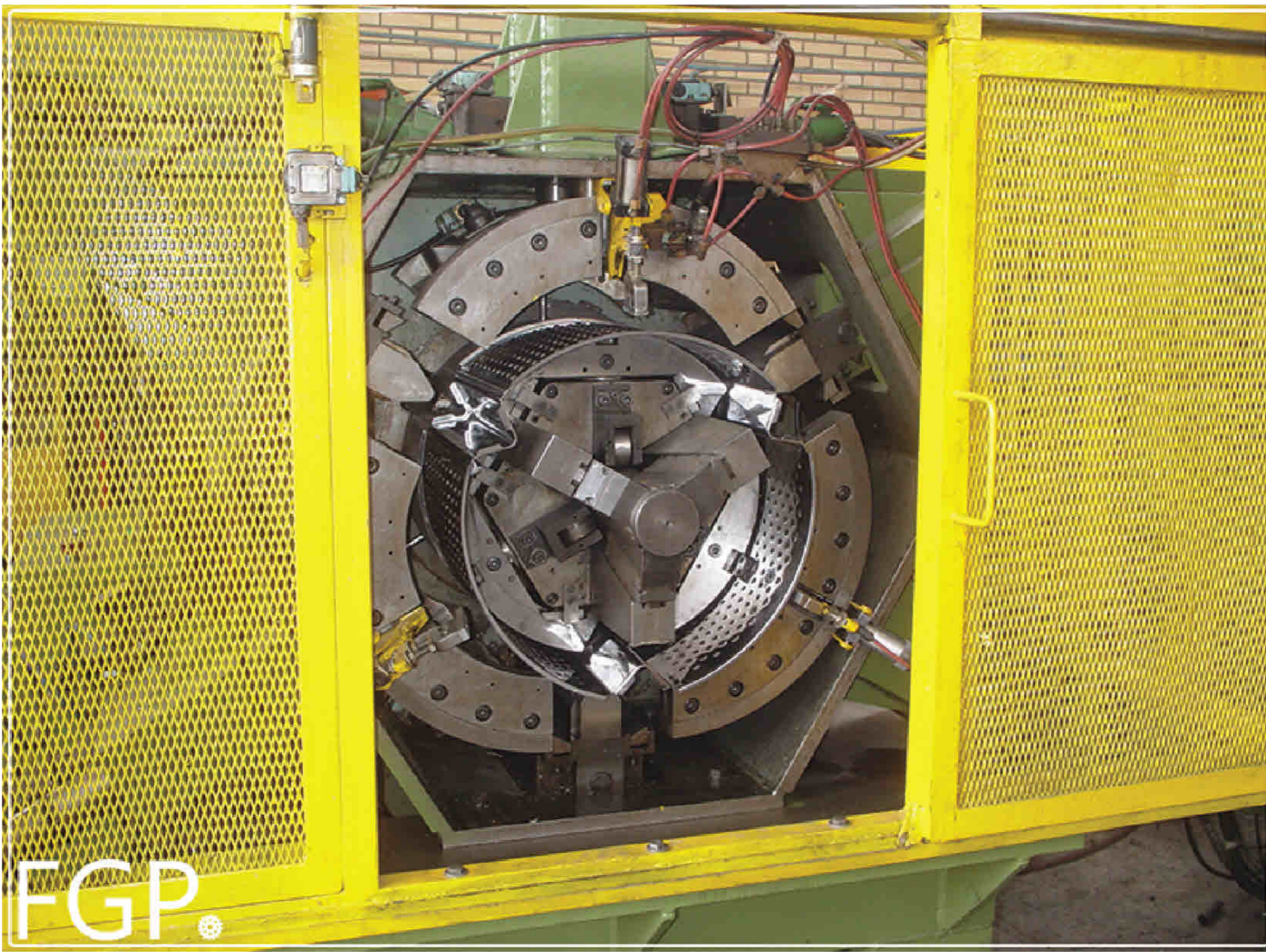


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House hold machineries



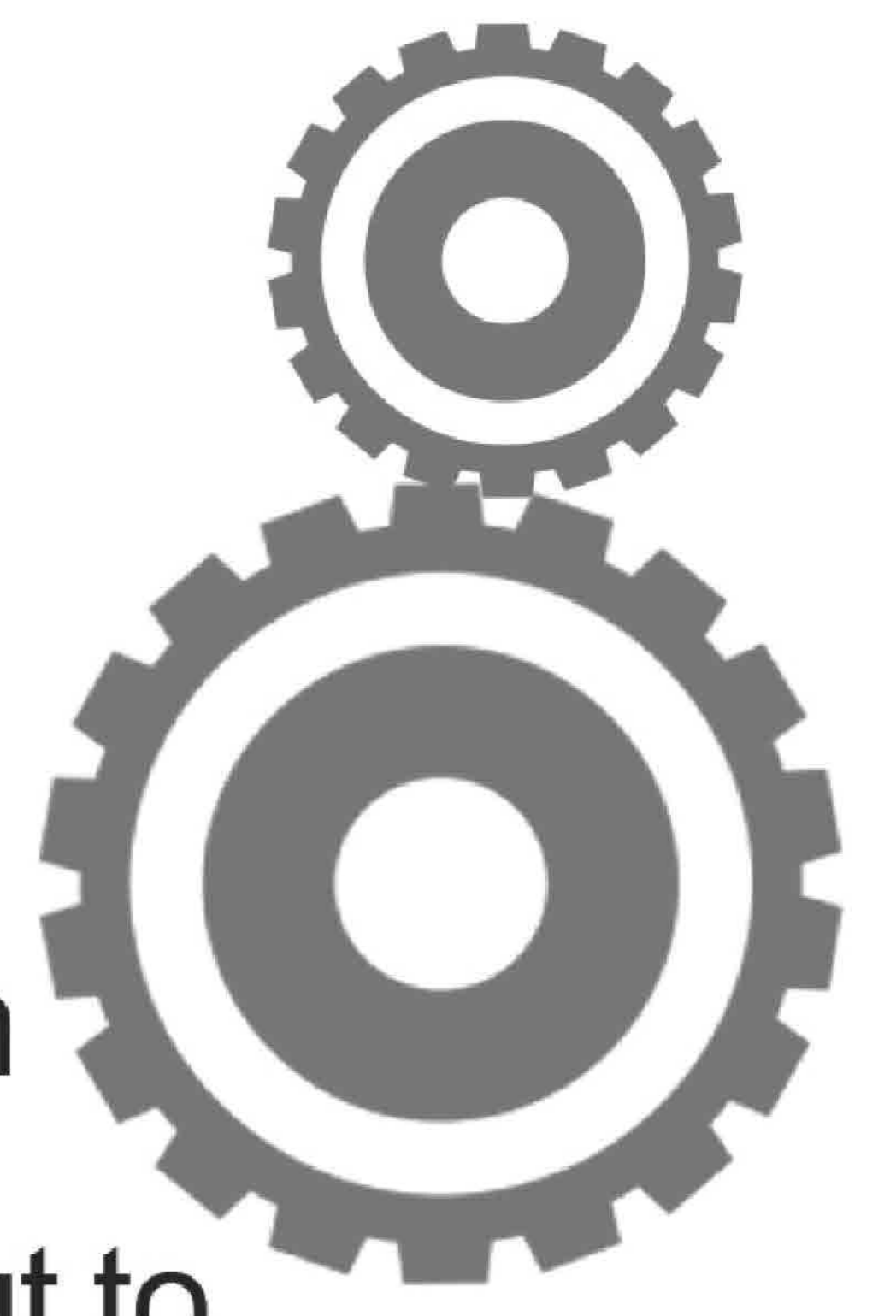
Special mold and machinery of household appliances industry:



- 1-production line of metal for twin and automatic washing machine
- 2-body bending machine for home appliances
- 3-special machines for bending plate on the stove
- 4-wall packages components machinery
- 5-other special machines



Cut to length line for sheets up to 20mm thick



FGP & Co is able to design the Cut to length line for sheets up to 20mm thick and has sufficient experience in the design and manufacture of cut to length lines.

To date designed and manufactured several cut to length line for Mobarakeh steels subsidiary companies And this lines with good performance are part of the honors company technical specifications cut to length line for thick sheets



- 1- The maximum coil weight 30 ton
- 2- The maximum thickness 20mm
- 3- The maximum sheet width 2000mm
- 4- Material of sheet for the maximum thickness 20mm is st52

This line with two sided decoiler and guidance gate can conduct the sheet from coil to cutter automatically.

And sheet quality output is highly desirable due to the special design of the straightener complex.

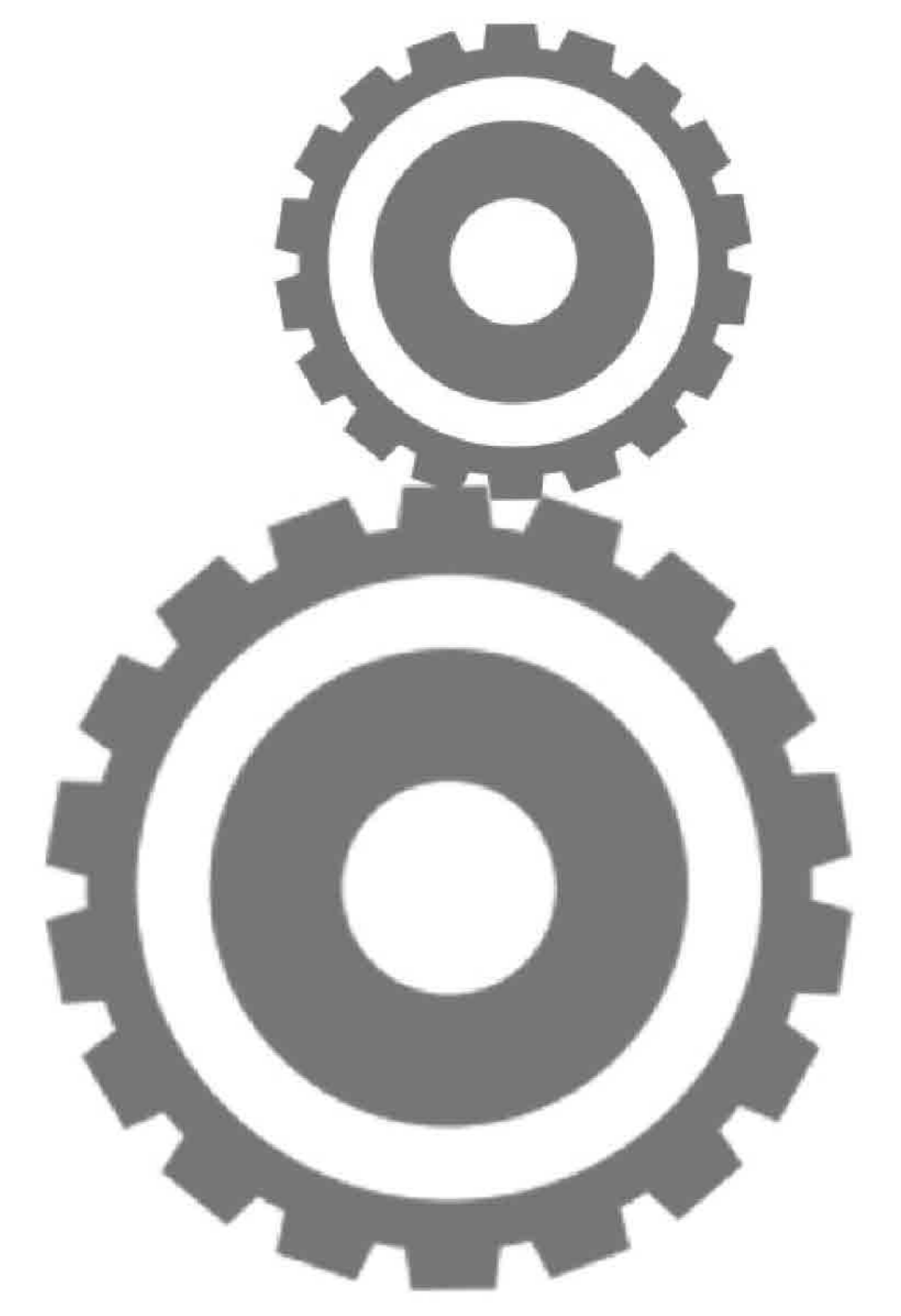
Also folding machine at the end of the line, can lay out sliced sheets carefully and with high quality.

Our company has been designing and manufacturing several cut to length lines for companies under the MSC (Mobarakeh steel company) and has accomplished to a high graded quality level in its production.

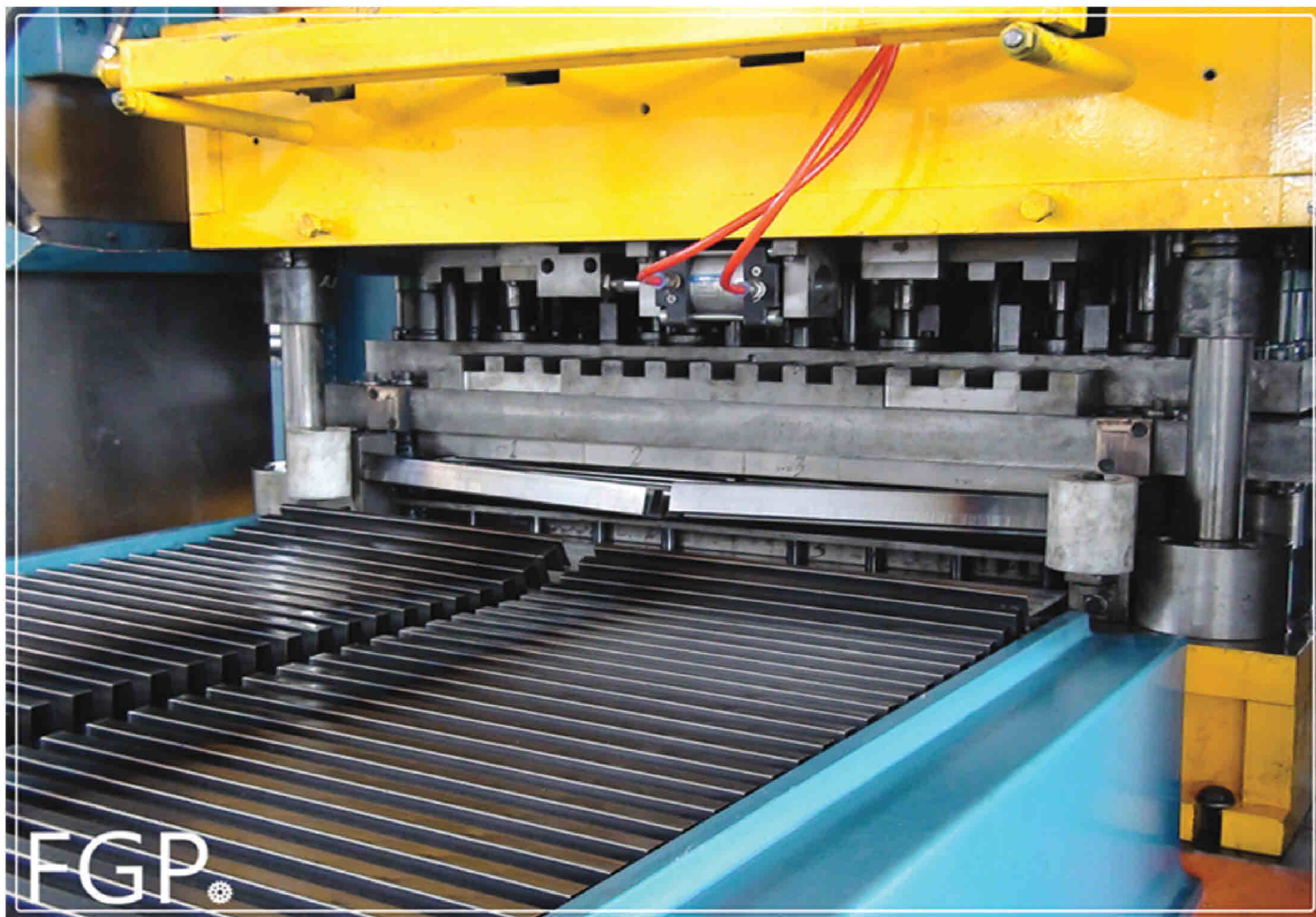


Production Line

Panel Radiator



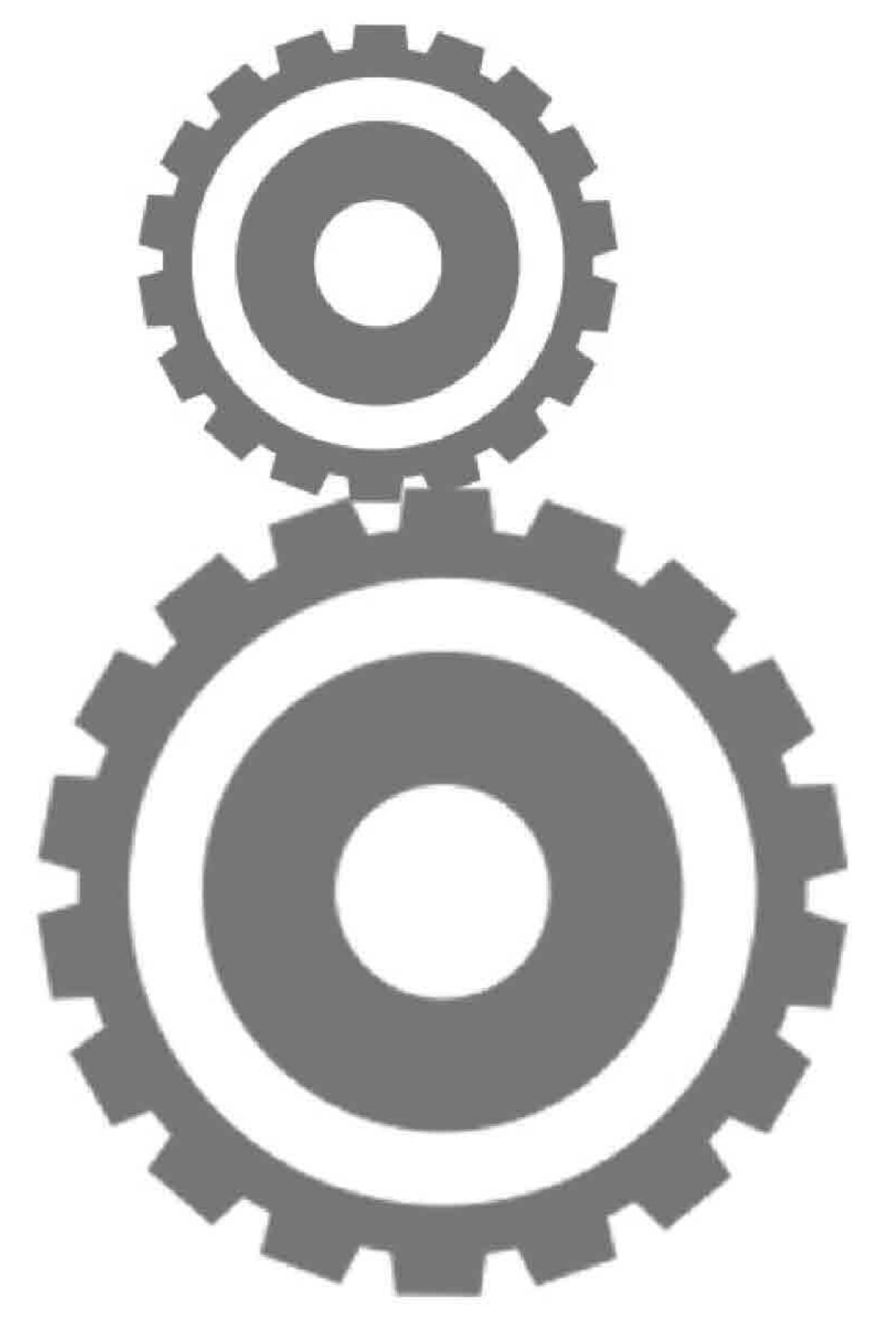
FGP & Co proceeded to design and manufacturing of panel radiator production line according to the requirements of house hold appliances manufactures. The panel radiator production line encompass the below parts:



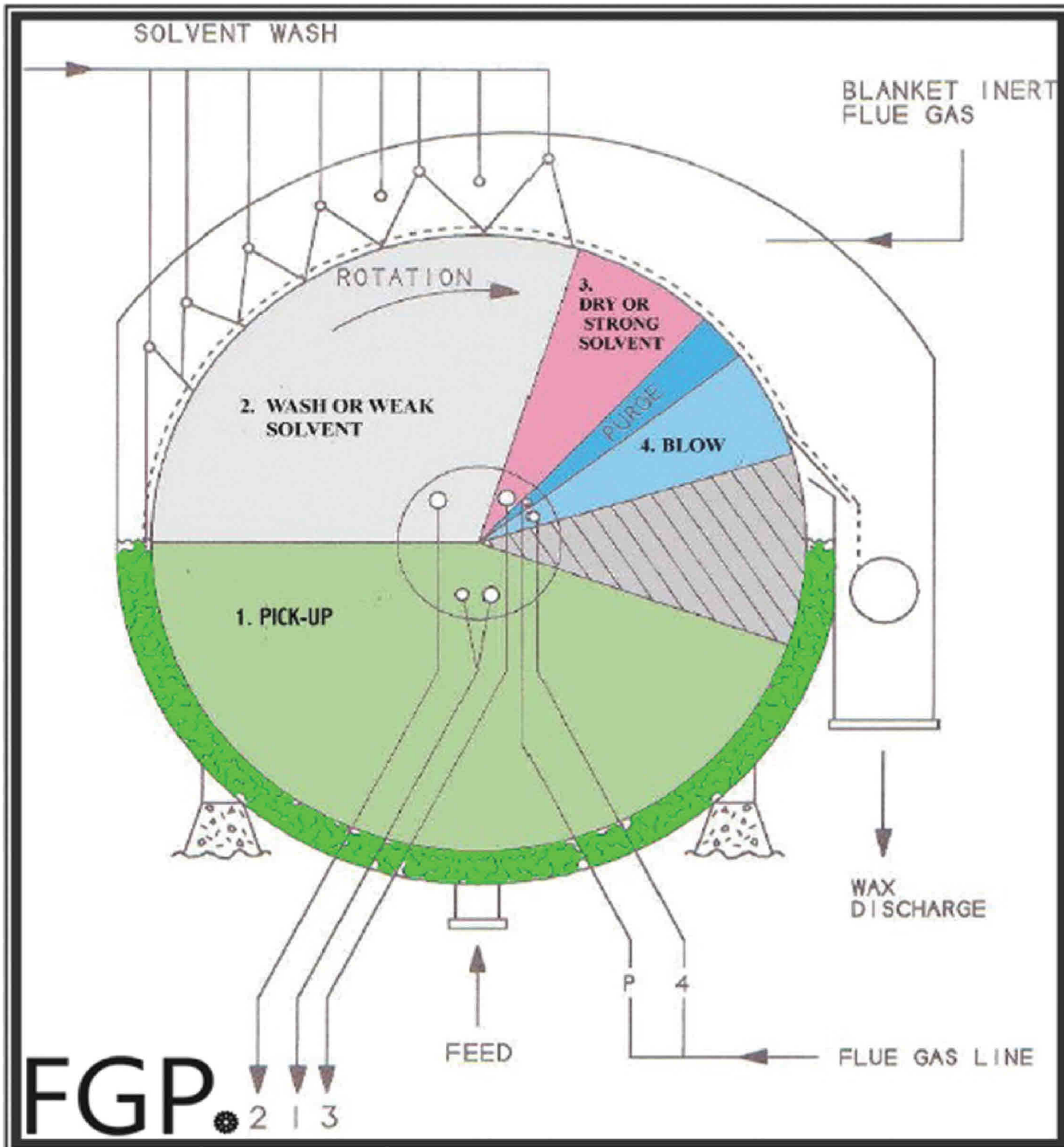
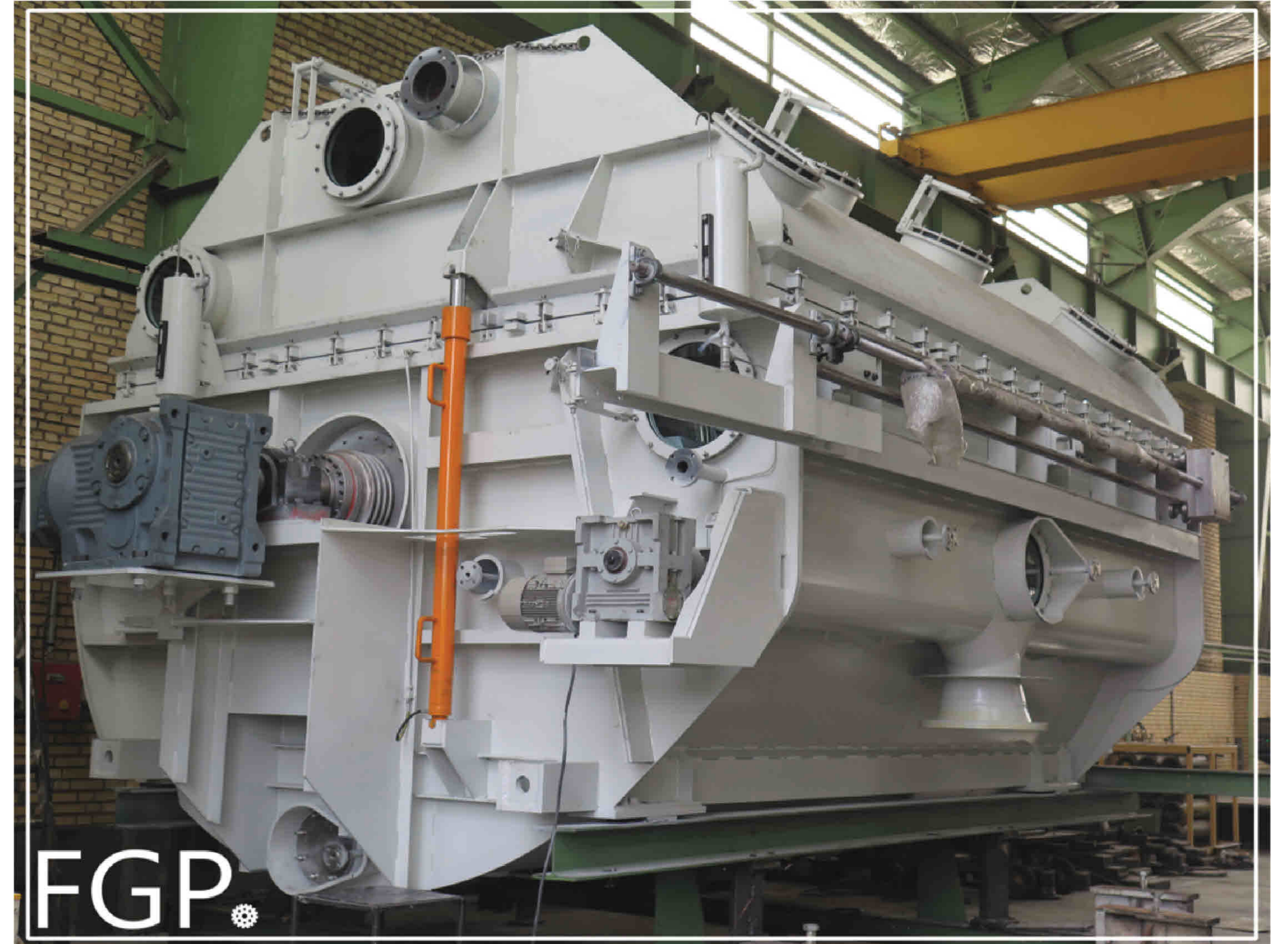
- Middle connector of radiator production line (As well as design and manufacture of molds required).
- Panel production line in different lengths.
- production line of the side covers.
- The top panel production line due to the radiator length.



Equipment specification for Rotary vacuum DE waxing /DE oiling filter



These specifications are for horizontal drum type Continuous vacuum filter in which the drum rotates partially submerged in a chilled solution of oil and solvent, containing wax crystals.

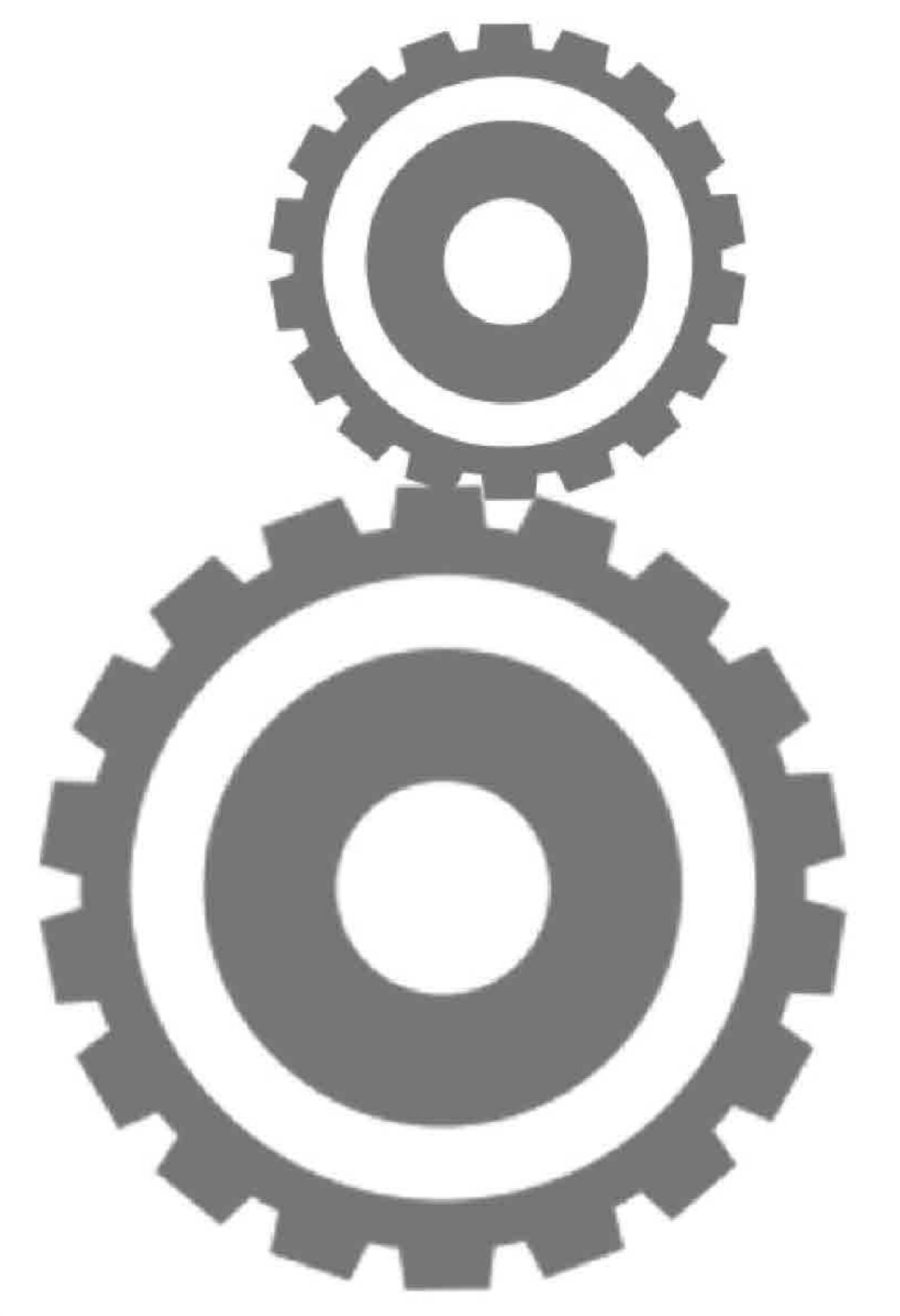


- The filter shall be suitable for continuous operation in open air
- Also these filters are used in other industries such as paper
- Fgp.co has designed and built two models, 400ft² and 1000ft² have been used in the oil and refining.



Production Line

Barrels of oil and bitumen



FGP & Co by designing and manufacturing of automatic and semi – automatic production line barrel it has taken a very important step in self-sufficiency.

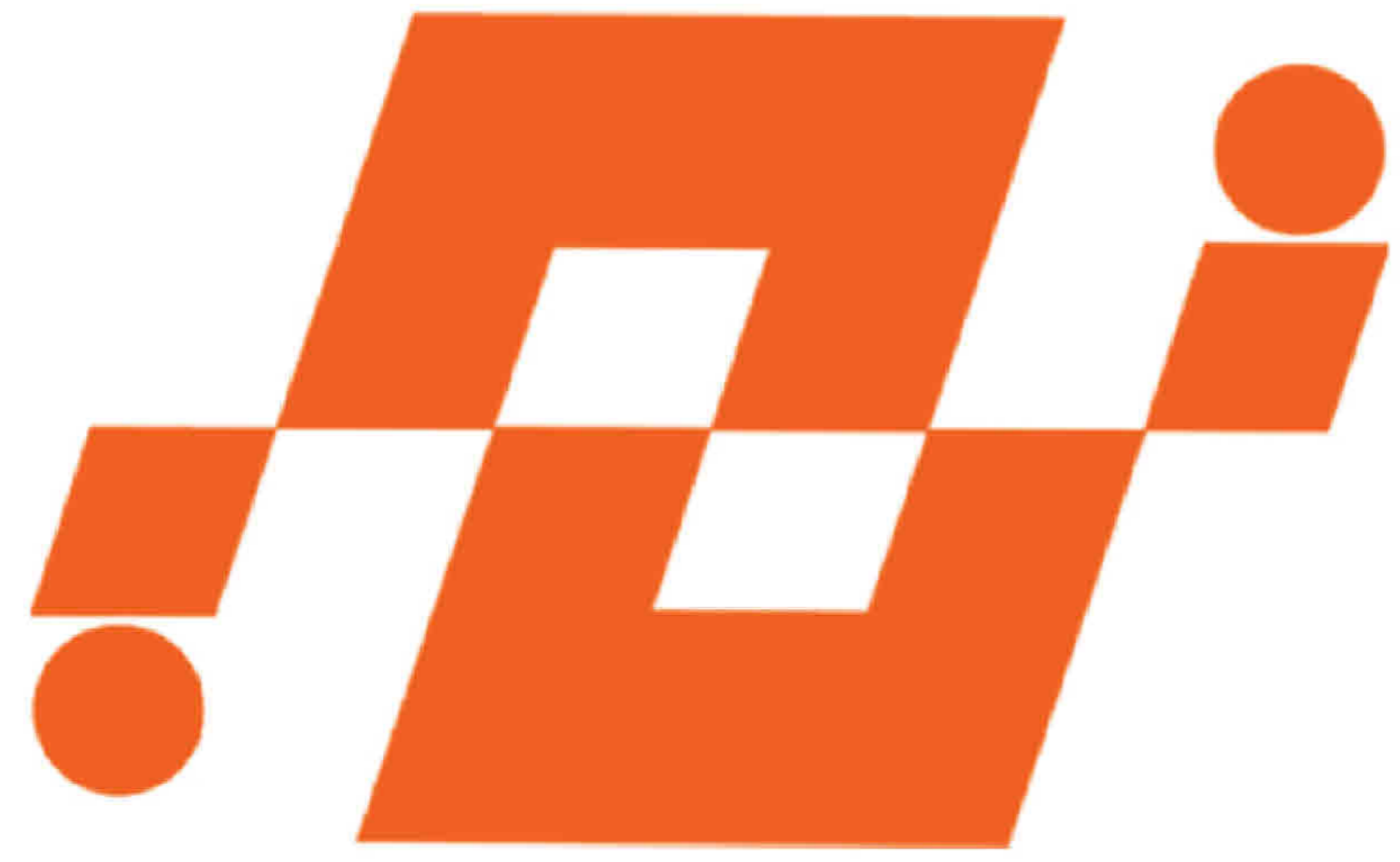


Lines made include:

- 1-Line coil sheet to size of sheet for glazing and doors barrels
- 2-Barrel door production line (top and bottom Cover mold)
- 3-Press of clinch oil drain doors
- 4-Barrel Roll forming machine
- 5-Fixture and welding machine of barrel
- 6-Pluncher machine of barrel
- 7- (Edge – curling machine)
- 8-Seaming machine
- 9- Sealing test machine

Made lines capable of producing 2000 barrels of oil or 3000 barrels of bitumen per shift is required also able to produce a barrel of oil, bitumen and food industries according to customers' orders.





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