



Yenar

Yenar delivers its 100th Combined Fluting and Grinding Machine

It is with great pride that Yenar announces the production of its 100th CNC Roll Fluting and Grinding Machine. The company celebrated the achievement of this milestone with a gathering of current employees in December 2021.

Yenar, one of the world's largest producers of milling rolls, has produced a total of 100 CNC Fluting and Grinding machines since 2013, which is when it started production by combining with its long date experiences and powers in the roll business.

These combined machines are produced in Yenar's new plant, which is fully equipped with the very latest technology including up-to-date machines, complete with a high-level quality control equipment.

The major features of the machines manufactured by Yenar includes grinding the roll to the desired profile according to the flow sheet and additional crane mounted option, as well as local language support and remote access systems.

Thanks to this model, Yenar offers the opportunity to flute and grind the rolls up to Ø350 mm and 1.500 mm in length.

25 fluting & grinding machines produced in 2021

Throughout the past twelve months, the company has continued its production without interruption and produced 25 rolls fluting and grinding machines and 22 sandblasting machines, which are used for smoothing rolls.

Yenar are able to offer three sizes of machines as either combined fluting and grinding machines or as a single fluting or grinding machine. The range of flowing sizes includes; 350x1500 mm, 450x2100 mm and 600x2100 mm for flour milling rolls, feed milling and oil milling rolls.

The machines are designed to work efficiently and in a fashion that is unique when compared to the existing machines on the market, with an emphasis on innovation.

Due to Yenar being a manufacturer of rolls and an end user, the

company has managed to produce the most ergonomic and flexible machines. In fact, 13 fluting machines are currently under operation in its own facilities.

A marvel of advanced design

Yenar's CNC fluting and grinding machines, which are very easy for the customer to use themselves, is considered by the company to be a marvel of advanced design, as well as providing a great level of convenience when servicing fluted or sand blasted rolls.

The company's combined fluting and grinding machine presents three options for grinding roll types, which are cylindrical, camber and chamfer – customers only need choose one of the varieties before grinding.

For fluting operation, the only requirement is the input of your flow sheet to the touch screen. Then in-house software automatically calculates the cutting depth. Should you encounter any issues then the remote assistance connection is available for help with any problem solving.

The Yenar Sandblasting machine allows you to reach the requested roughness on the surface of your rolls. The PLC controlled machine also has a sand recycling system and vacuum suction with filter so dust free environment.

Improving quality & consistency

The targeted number of 45 different types of machines for 2021, was reached by the end of 2020, with 100 percent of the machines produced then being exported. The YF/YFG 35150, 45210, 60210 model machines are exported to more than 30 countries worldwide, with the single fluting, grinding or combined fluting and grinding options produced in the new plant.

Yenar continuously improves its technical infrastructure by making high-cost investments and produces the most well-equipped machinery required by the market.

The company believes it has achieved great momentum with its rate of machine production, strengthening its position in the

domestic and international markets.

“As we have been in our production of rolls for 26 years, we will continue our investments, production and exports in 2022,” says Yenar’s management.

“We provide service to our customers not only with our productions but also with our after-sales service. With investments done, our plant is the only one production plant for the combined fluting and grinding machines in the world.

“Selling 100 machines in such a short time shows the trust of our customers to our products. In more than 30 countries, especially in America and Asia continents including USA, Japan, Indonesia millers easily re-flute, grind and sandblasted their rolls by themselves. We would like to thank all our employees who contributed to our milestone 100th machine.”

Catering for the needs of the sector

Yenar is trying always to improve the quality and the consistency of the sector by adding new devices and developments. In order to realise this ambition, the design of all of these machines is tailored specifically to cater for the needs of our sector.

In the case of the RollCare Profile Measurement device, the company wanted to ensure that the profile of the flutes that it was applying to the rolls had a machine that was not too complicated and could replicate a laboratory environment. In order to meet this challenge, Yenar’s R&D department developed the new laser profile measurement device.

The rollCare Profile Measurement Device is also designed using laser technology that is able to check roll profiles on the roller mills. It also allows the company to compare the roll fluting profile

with the theoretical one and plant operators to plan the optimum maintenance plan.

The rollCare does not require any adjustment and automatically overlaps both profiles and reports us the required value. So, you can check what is the sharp and dull angles, land, how many flutes on per/cm, depth of the flutes and how is the flutes wear out already.

In addition, you can put it on the fluting machine whilst it is actively fluting and check the status of the process, providing a system to check whether the land and depth which is most important parts of flutes are correct or still need to be fluted further.

You can also measure the tool angles after sharpening it which you have did perfectly accordingly angles or not. This device is equipped with wireless so no need to carry your laptop to all places. Whilst you are sitting in roller mill control room you can measure all rolls, and it can also be fitted with a battery.

Custom designed

Yenar continues to develop machinery not only for flour mills sector but also for the oil milling sector. Repair of flaker rolls in the oil milling takes too long. To shorten this time, the latest innovation of its R&D center is the flakeCare mobile turning and grinding machine.

The flakeCare machine allows you to refurbish the flaking rolls surface on the flaker on site without removing the rolls. This machine is custom designed according to the machine as the linkage points for each machines manufacturer different.

It is a different machine from the existing ones on the market as it is a combined turning and grinding machine and CNC controlled.