TurnKnife system for advanced chipping. It is a continual challenge to improve the efficiency and productivity of wood processing operations. One specific challenge is to produce the highest volume of uniform wood chips – increasing accepts and reducing fiber losses – in a safe working environment. When the ANDRITZ Iggesund Tools TurnKnife system was introduced in the late 1970s, it was a totally new concept and technology that quickly became a forerunner in the forest products industry. Since then, we have continuously developed the technology, making ANDRITZ Iggesund Tools a global leader in pulp wood chipping. With our knife systems and our technical know-how, we help forest product industries all over the world to upgrade their mills and sharpen their competitive edge.
TurnKnife TK-IV knife system
On the cutting edge

Flexibility
ANDRITZ Iggesund Tools offers a range of chipping knife systems for different applications that help achieve high and uniform production with minimal losses; large disc chippers, drum chippers, rechippers after chip screens, or different sawmill chipping heads. All of these can be upgraded to the TurnKnife system. This range of knife systems ensures a solution that meets the specific requirements and layout of each plant’s chip processing operation. Produced from the highest quality alloy chromium steel, the knives are specially treated to have a much longer edge life than conventional knives. The TurnKnife has a double edge, making it reversible to eliminate knife grinding. The patented design ensures precise and consistent knife location to maximize chipping performance.

Availability and chip quality
The longer time between knife changes helps increase the chipping capacity. During operation, the TurnKnife stays sharper longer, which provides a better cut and minimizes small chip fractions (pin chip and fines). These factors ensure better downstream processes while saving money in the wood processing operation.

TurnKnife TK-IV
The ANDRITZ TurnKnife TK-IV is the latest knife system for all kinds of roundwood chipping. It combines a lightweight design with the power and strength to cope with all sorts of wood species. TK-IV has an excellent chipping geometry and extremely long running time between knife changes. Thus, TurnKnife TK-IV is an investment that pays off quickly.

Benefits
- Improved safety and efficiency with light knives and no knife grinding
- Quick and easy knife changes
- One person changes the knife from the front of the chipper
- Precise and consistent knife location
- Longer time between knife changes — fewer chipper shutdowns
- Better and more uniform chip quality

PartnerChip agreements offer high availability
Close customer collaboration is a top priority for ANDRITZ, and PartnerChip is a full service program offered for knife systems. We provide the TurnKnife system plus the expertise of our specialists on a fixed-fee basis with the goal of helping you maintain the most efficient and profitable chip production possible. By including scheduled preventive maintenance, on-call 24-hour service, and technical support, you are ensured safe and efficient production by your chipper.

PartnerChip contract
- Reliable TurnKnife system
- Scheduled and on-call 24-hour service
- No inventory costs – no capital tied up
- Technical support and optimization of chip quality