

**I**ggesund Tools is an engineering company with a proud heritage spanning more than 300 years. Today Iggesund Tools is recognized as a world leader in the design and production of specialized tooling for the forest products industry.

Iggesund has maintained a proud tradition that is at the heart of its longevity and international growth by its ongoing commitment to developing innovative customer solutions.

This commitment is reflected in both the products we develop and market, and our excellent service and customer support. Our revolutionary Turnknife System, the innovative ScanChip analyzer, our industry-leading debarking systems and ground-breaking partnership and service options have kept Iggesund Tools at the leading edge of the lumber and pulp and paper industries.

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## Helical Face Technology; Truly on the cutting edge.

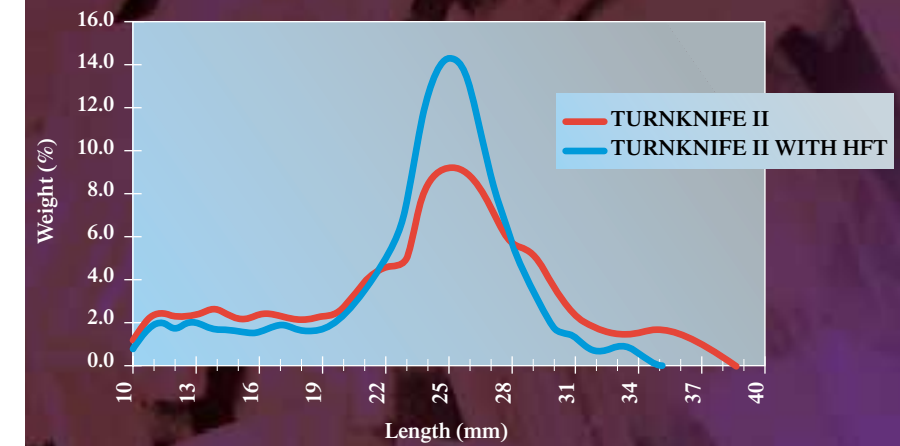
Based on either the renowned Turnknife® II or the newer STK knife system, Iggesund Tools' Helical Face Technology (HFT®) takes cutting performance to new extremes. Using a specially manufactured helical wear plate, HFT conversions permit even the most basic of flat faced chippers to be converted to a superior chipping configuration.

Igesund Tools' HFT design utilizes a more advanced cutting geometry combined with a radially tapered wear plate. HFT wear plates incorporate a taper angle which varies from the inside to the outside of the part along a radial path (the trajectory of the knives). This results in a helical surface that recedes away from the incoming wood during chipping thereby yielding a smoother and more uniform wood feed. Abrupt deceleration (stopping) of the furnish between each knife cut, and the possibility of bounce back, is greatly reduced with this concept.

HFT systems are custom designed to your machine type and application and mount directly to the existing chipper disc without modification. In conjunction with the many benefits of the already proven Turnknife II or newer STK knife designs, HFT provides a level of performance that is truly on the cutting edge.



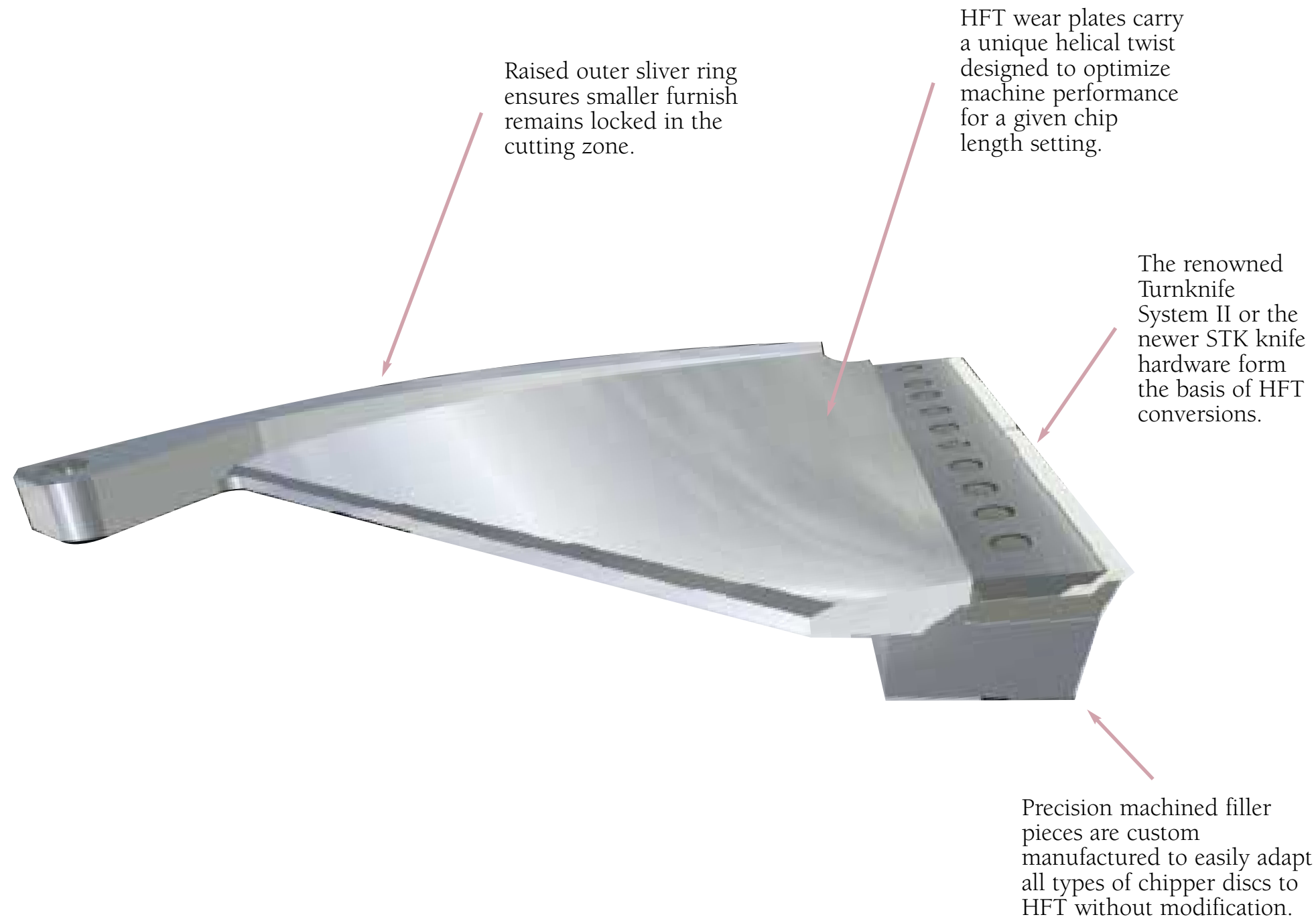
## Length Distribution



The above chip length data was obtained using the Iggesund Tools' ScanChip® optical chip analyzer on samples taken from a Nicholson 117"/10 disc chipper processing pine and hemlock roundwood.

## Improved cutting performance increases chip quality and profits

Helical Face Technology results in improved chip quality, better wood feed, and reduced power requirements. Coupled with the benefits inherent with either Turnknife System II or STK knife hardware, HFT maximizes fiber utilization and yields cleaner cut wood chips of greater uniformity. Less miscut material and oversized chips also help improve screen efficiency and reduce rechipping loads. A smoother and more reliable wood feed ensures a minimum of plug-ups and unnecessary downtime. The net result is increased chip quality, improved chipper performance, and increased profits.



HFT FEATURES	HFT BENEFITS
Optimized design	Maximum performance for a given chip length setting.
Improved chipping geometry	Increased chip uniformity. Reduced power requirements.
Enhanced wood feed	Fewer stoppages and plug-ups. Less miscut material and oversized chips. Permits lower and more efficient blade speeds.
High quality components	Low maintenance requirements. Long part life.