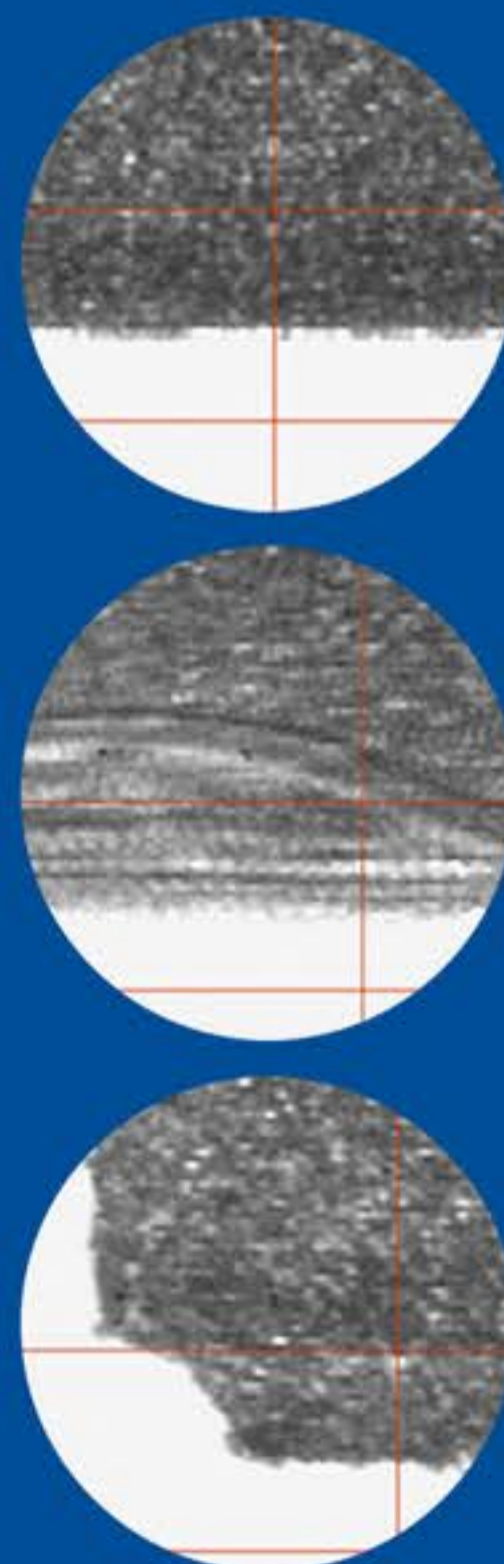


Pioneer

Visual Cutter Setup

Faster and precise setup combined with on-line blade observation

VCS NANO 150G



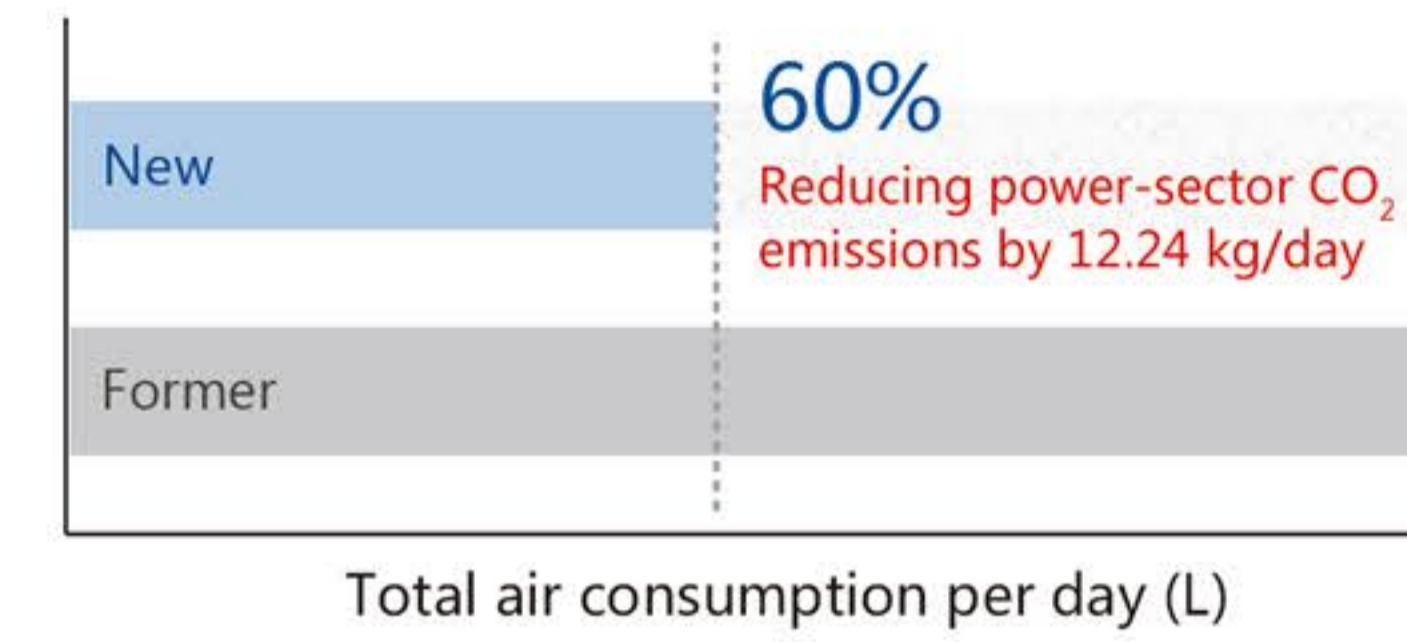
On Line

On-line observation of blade condition

Visual Cutter Setup

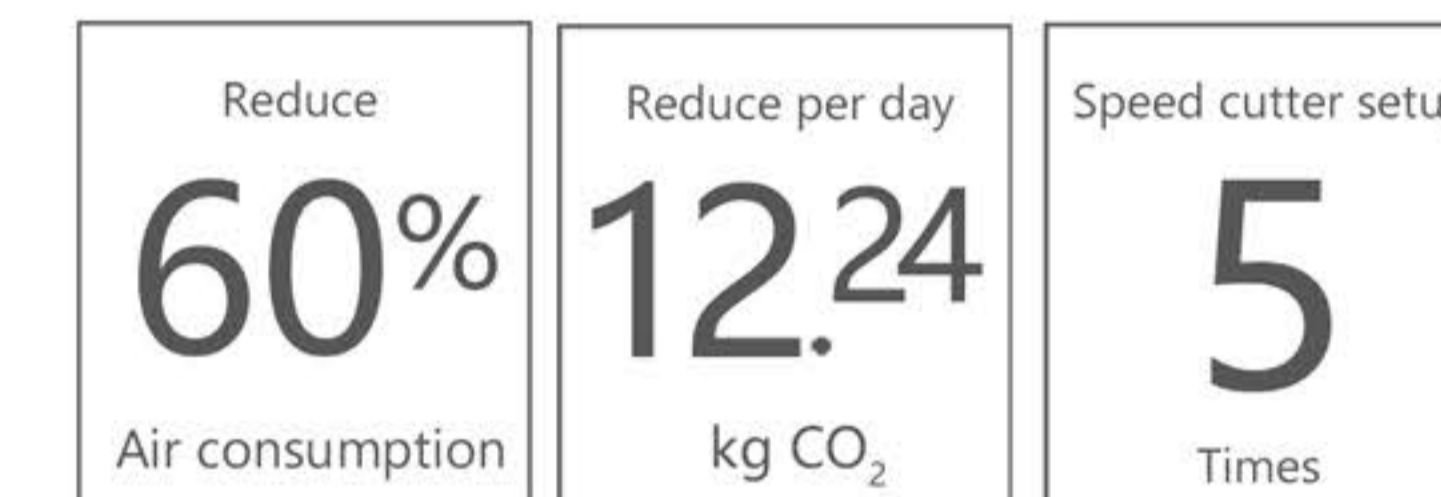
Innovative Vacuum System

- Reduces air consumption by 60%
- Significantly reduce carbon footprint



Shortening Execution Time of Cutter Setup

- VCS is 5 times faster than traditional photoelectric sensor.
- Increase work proficiency and improve productivity



User-friendly HMI

- Easy to operate and observe blade condition



Specification

| Item | Descriptions | unit | NANO 150F |
|----------------|------------------------|---------------------|---------------------|
| Workpiece size | | | Max. Φ 6" or □ 6" |
| Spindle | Bearing | | Static Air Bearing |
| | Max. revolution speed | rpm | 60000 |
| | Max. output | kW | 1.2 |
| X axis | Drive | | AC Servo Motor |
| | Cutting range | mm | 160 |
| | Max. stroke | mm | 267 |
| | Speed range | mm/s | 0.1 ~ 300 |
| Y axis | Drive | | Stepping Motor |
| | Cutting range | mm | 160 |
| | Moving resolution | mm | 0.000125 |
| | Positioning accuracy | mm/mm | 0.003/5 |
| Z axis | Drive | | Stepping Motor |
| | Max. stroke | mm | 25 |
| | Moving resolution | mm | 0.00025 |
| | Max. blade O.D. | mm | Φ60 |
| | Repeatability accuracy | mm | 0.001 |
| θaxis | Drive | | DD Motor |
| | Max. rotating angle | deg | 360 |
| | Resolution | sec | 0.405 |
| System | Display | | 15" Color LCD |
| | Language | | Chinese/English |
| Utilities | Power supply | | 1Φ AC220V 50/60 Hz |
| | Max. Power consumption | kVA | 2 |
| | Air pressure | Mpa | 0.5 ~ 0.8 |
| | Max. Air consumption | L/min | 220 |
| | Cutting water | Mpa | 0.3 ~ 0.4 |
| | | L/min | 6 |
| | Coolant water | Mpa | 0.3 ~ 0.4 |
| | | L/min | 1.6 |
| | Exhaust duct capacity | m ³ /min | 5 |
| | Outline dimensions | mm | 650W x 860D x 1580H |
| Weight | kg | 320 | |

*Specifications are subject to change without notice

Improved Operability

- Ergonomic sloped touch screen design provides proper visual angle and is easy to use

