



# Finger Joint Cutter Double Sided System

Patent EP0739697, EP1043129, US6644896 Patent Pending EP96942682.4

## Features

### 1. Longer Life Gives Better Cutting Precision

(very accurate and clean joints are produced for a longer time between tool changes)  
Joints cut with sharp teeth are stronger and have less voids, pin holes and burrs.

### 2. Teeth Stay Sharper Longer

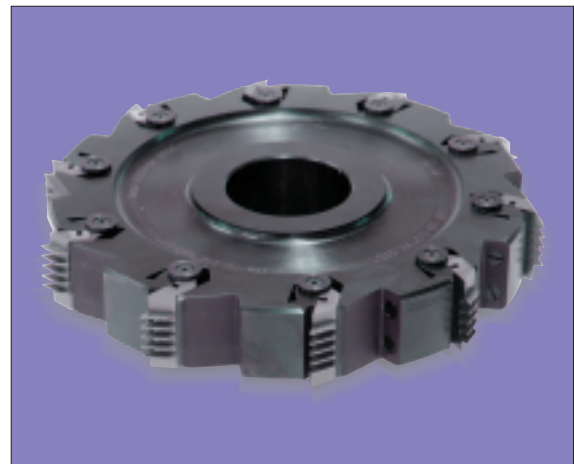
A composite tooth constructed of a tough substrate and an ultra-hard coating provide a long lasting cutting edge with a "self sharpening" property.

### 3. Cutting Diameter Remains Constant

Through a special design, sharpened teeth automatically conform to the new tooling diameter and do not require adjustment of the cutting head.

### 4. Higher Productivity and Less Running

Many fewer tooling changes are required due to the significantly longer life and the ease of change-out. Production efficiency of the fingerjointer is improved dramatically. Operation costs are greatly reduced.



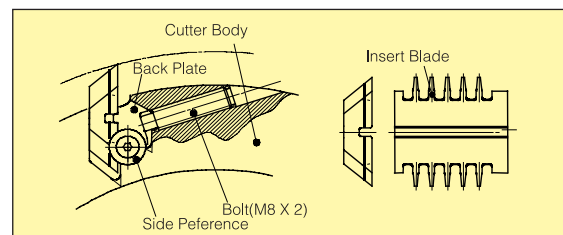
## Running Result

Life Comparison with One Side



Monitor	Dimension . Machine	Condition	Material	Before	Result
Mill A (U.S.)	φ10 - 1/2" x 1 - 13/16" x 10P Industrial L=1/4" , P=0.139"	N=4000rpm F=12m/min	Pine Wood Sash	1~2 Days	Approx. 15 Times
Mill B (U.S.)	φ10 - 1/2" x 1 - 13/16" x 10P Industrial L=5/8" , P=0.2085"	N=3000rpm F=10m/min	Pine Structure	1~2 Days	Approx. 9 Times

## Outline of System



- **Double Sided Insert**
- **Perpetual Cutting Diameter**  
Same Cutting Diameter is maintained even after regrindings(Perpetual Cutting Diameter)
- **"H=P" Coating**  
Great advantages by our coating technology