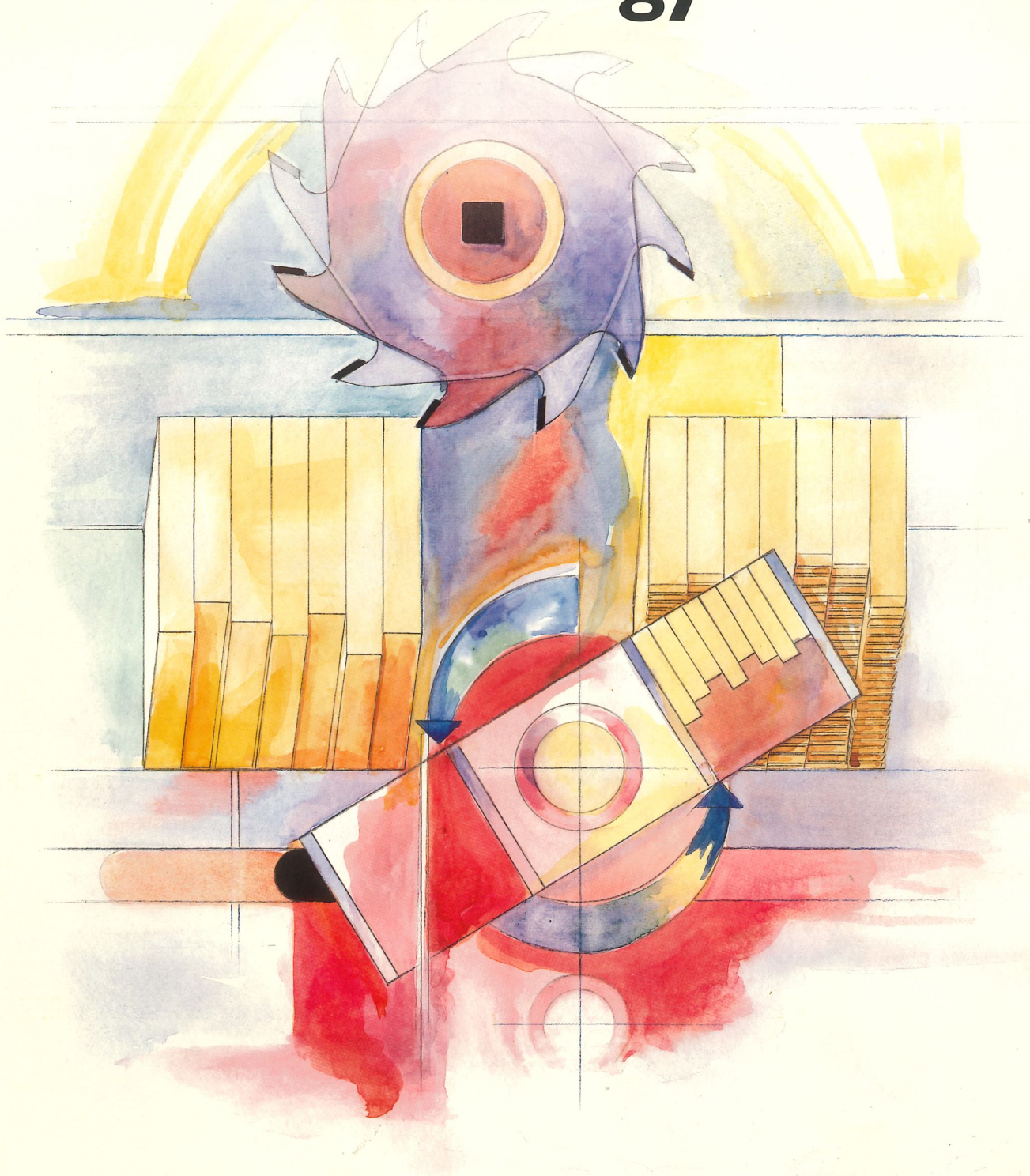




New finger jointing technology



New finger cutter system by NKT

This brand new patented finger cutter system by NKT represents the latest state of the art in finger jointing technology.

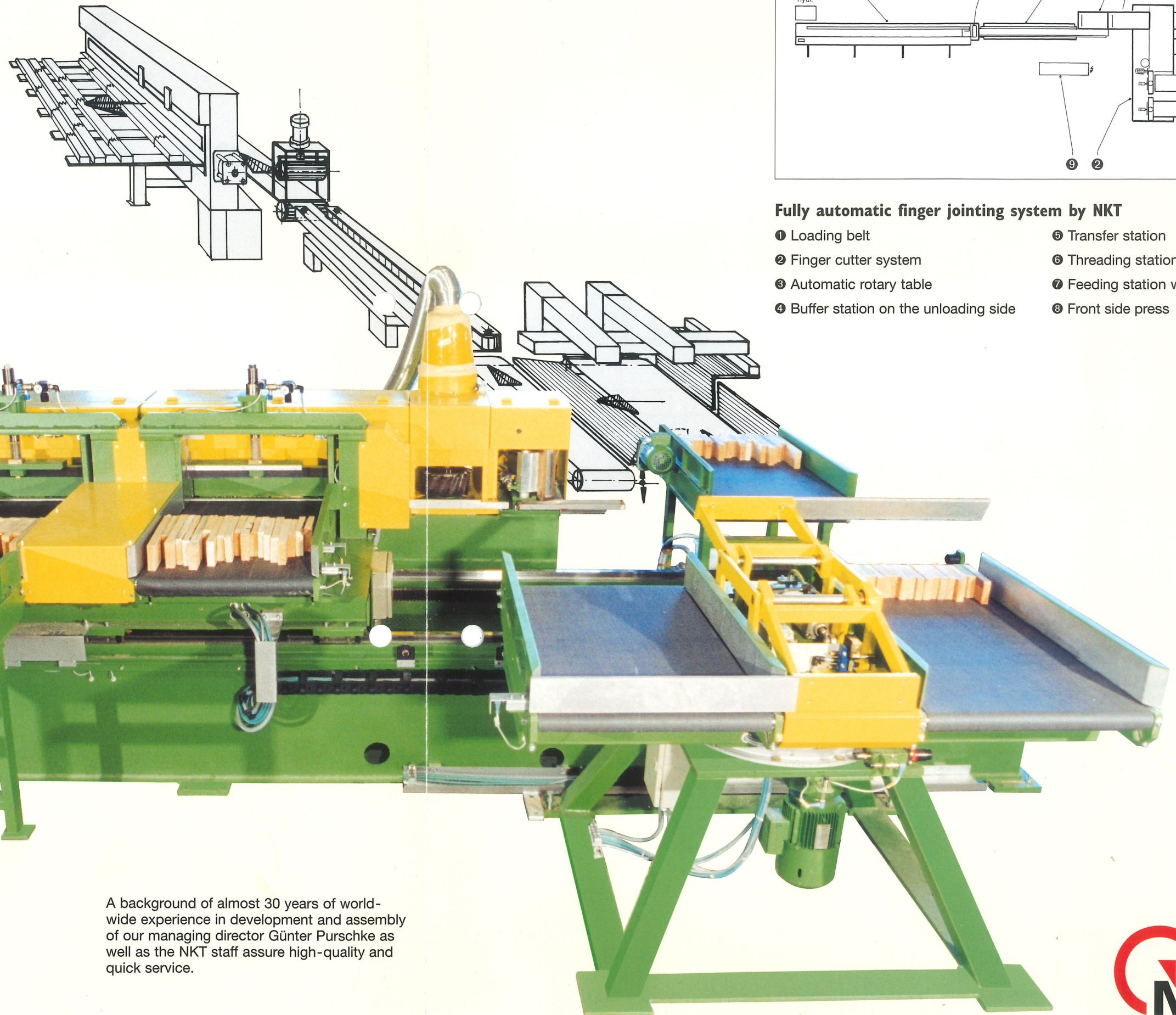
The unique feature of this machine fitted with only one tool set is the production of a timber package with finished cut on both sides during every working stroke. This means double performance compared with traditional systems and at the same time 50 % less energy consumption.

The machine features an outstanding production rate of up to 8 finished, 600 mm wide timber packages per minute. This performance renders the NKT system unique in the world.

As solid and perfected technology, as it can be found only in machine-tool building, assures high performance. Short resetting times and the service friendly arrangement of the system components as well as the quietness of opera-

tion of the cutter spindle are important features of the new system, achieved by the compact arrangement of the cutter spindle and the drive motor. The glue applicator features the most modern comb construction, there is no need for rotary parts.

Naturally NKT equipment is available in any size from fully automatic machines to the smallest semiautomatic machine designed to customer's specification.



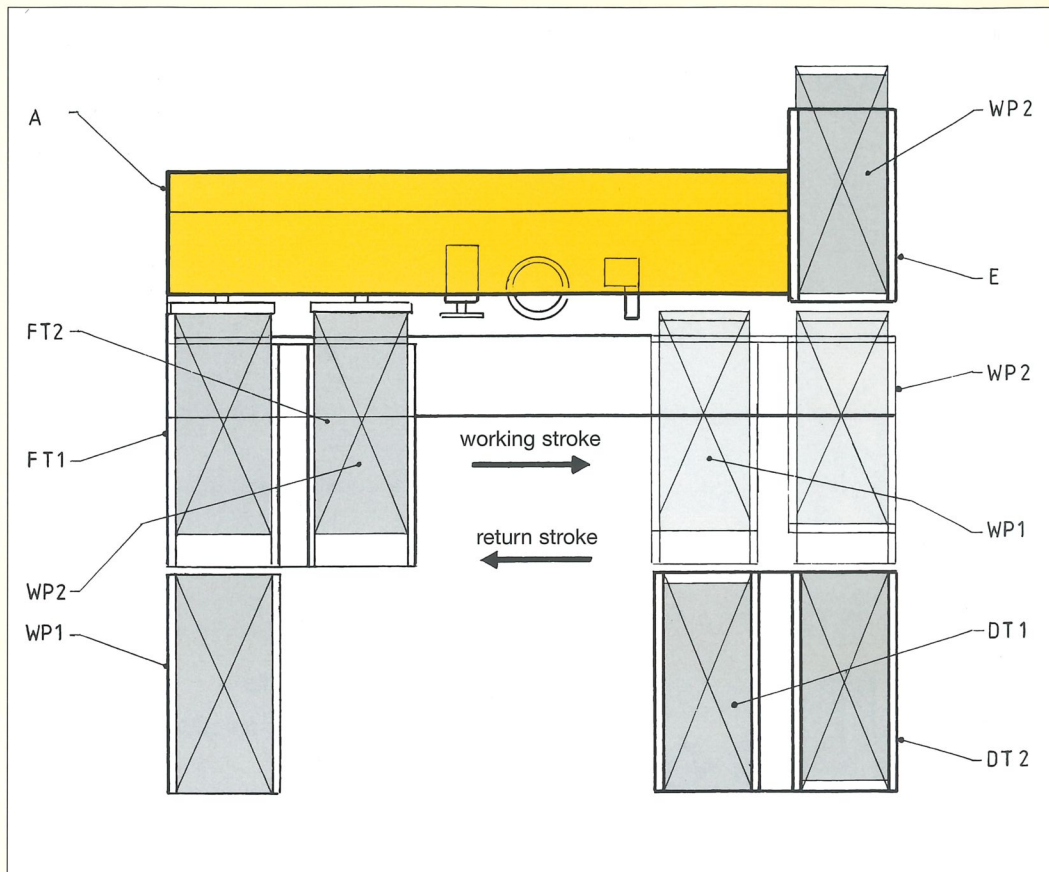
Fully automatic finger jointing system by NKT

- ① Loading belt
- ② Finger cutter system
- ③ Automatic rotary table
- ④ Buffer station on the unloading side
- ⑤ Transfer station
- ⑥ Threading station
- ⑦ Feeding station with saw
- ⑧ Front side press

A background of almost 30 years of world-wide experience in development and assembly of our managing director Günter Purschke as well as the NKT staff assure high-quality and quick service.



The new
machine
technology
by



Operation

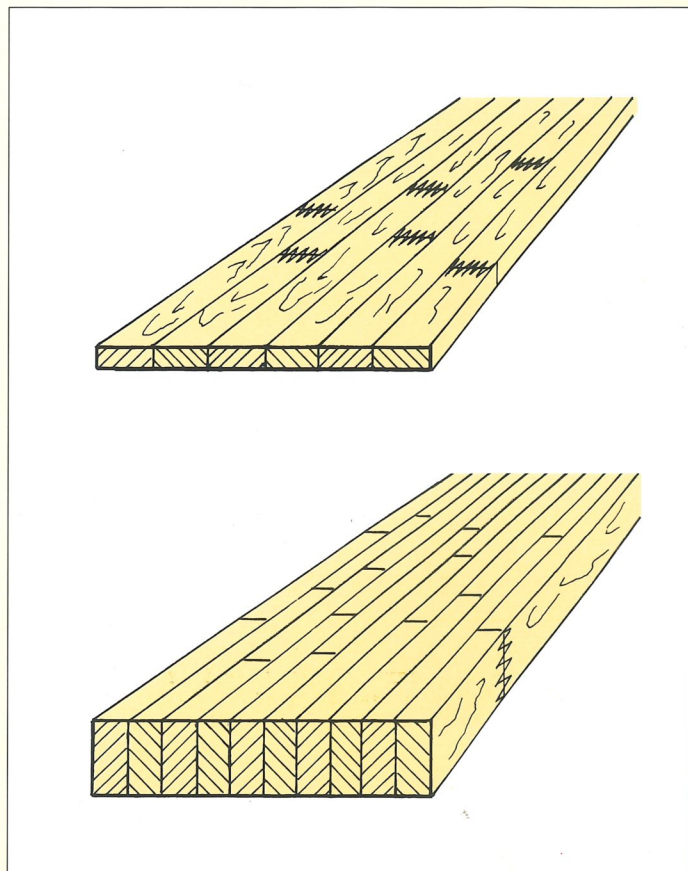
With the cutting table unit, composed of the cutting tables 1 and 2 (FT 1 and FT 2) in the loading position (initial position A), a timber or workpiece package (WP 1) to be machined is loaded on the table FT 1. On table 2 (FT 2) there is a timber package (WP 2) that has been already worked on one front side during the previous cycle.

During the working stroke the unmachined front side of the package WP 2 and one front side of the package WP 1 are worked.

In the transfer or final position (E) of the cutting table unit the finished package WP 2 leaves the finger cutting area for further processing. At the same time the package WP 1 enters the left side of the rotary table (DT 1) where it is turned around and the timber

package worked during the previous cycle on one side is transferred from the right side of the rotary table (DT 2) to the cutting table FT 2.

While the cutting table unit with the empty table FT 1 and the loaded table FT 2 returns into its original position (return stroke), the rotary table performs a 180° rotation so that the package on DT 1 is ready for the next step. With the cutting unit (A) in its initial position, a new timber package is loaded on FT 1, then the machining cycles described above are repeated.



Product examples



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