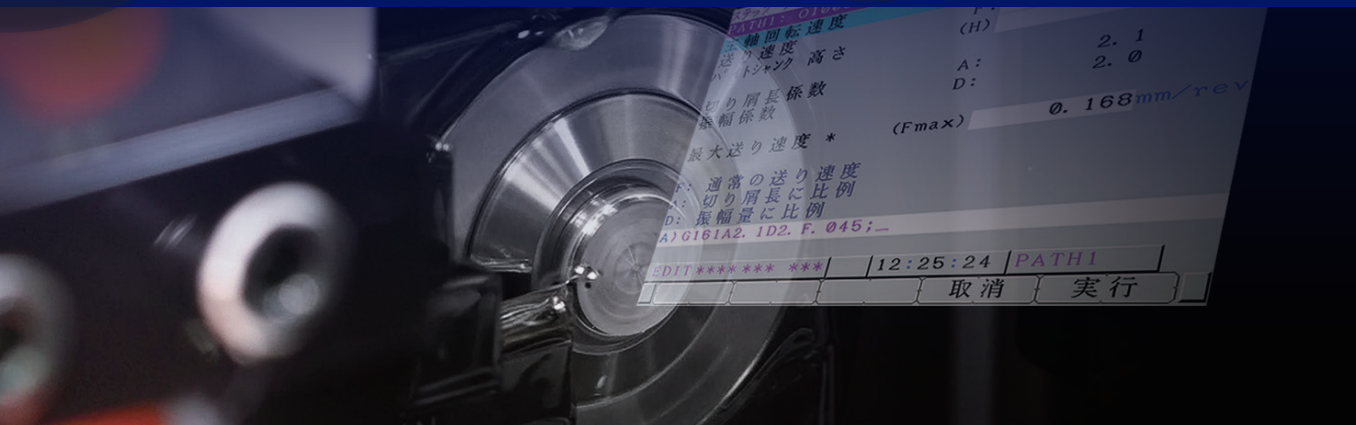




Innovation in chip management

STEP CYCLE PRO - a new air-cut Technology to manage the requirements of hard-to-machine materials

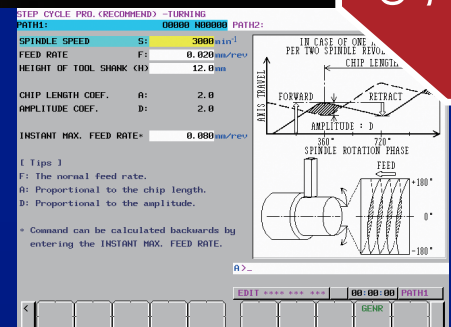


STAR SOLUTION

The STEP CYCLE PRO (SCP) system delivers its highly effective 'air-cut' chip-breaking operation by oscillating the axis in synchronisation with the spindle rotation cycle and can be used simultaneously on both the main- and sub-spindles. This new cutting method increases production efficiency by eliminating machine stoppages related to swarf entanglement and enhances tool life by reducing the temperature of the tip whilst in operation.

Developed to suit a variety of machining types including turning, drilling, facing and grooving, SCP offers a dedicated interface on the FANUC CNC-system that allows engineers to easily select the ideal program conditions and chip length from a database of recommendations.

The SCP command is easy to insert into your NC program, as the control automatically calculates the recommended coefficients A for the chip length and the oscillation value D based on the specified speed and feed rate.



All new machines are mechanically equipped to withstand the increased load associated with oscillation cutting. This enables customers to trial the function in 'setting mode' before they purchase the option on a permanent basis.

