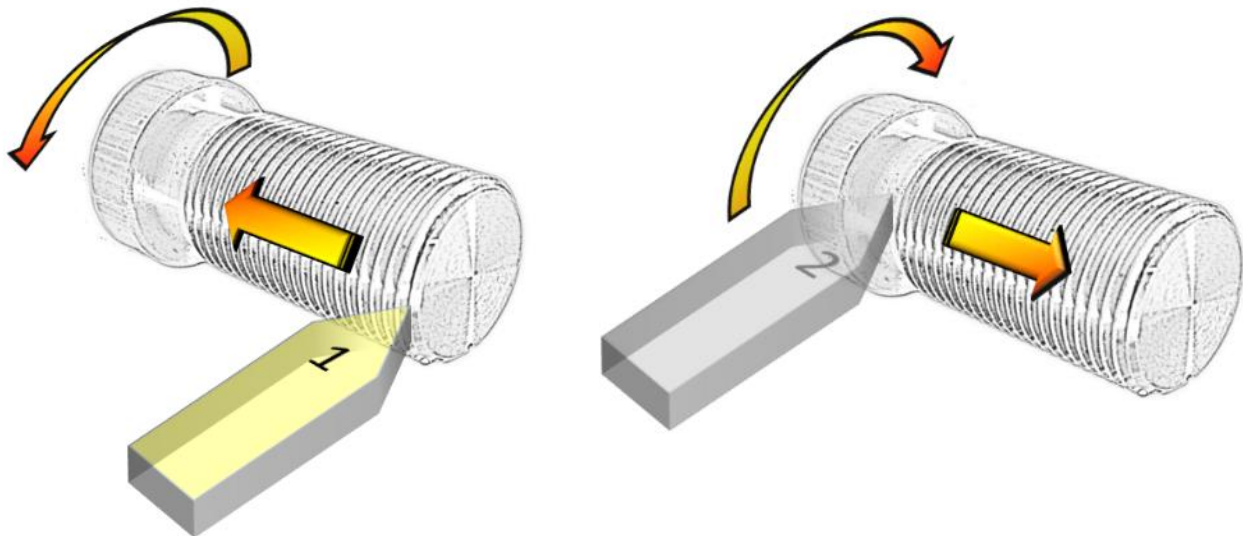# Alternative Threading
ISO machines

Contenu

1 Thread differently !

TISIS now benefits from a new innovative threading process, designed and developed by Tornos.
The "Alternative Threading".

2 The process and its advantages

The process is characterised by the fact that the workpiece is threaded with two tools instead of one.
This is because it does not only remove material in the forward pass, but also in the return pass.
Between each pass a tool indexing takes place and the spindle changes its direction of rotation.

This process allows, among other things, to considerably reduce the time of the threading operation!
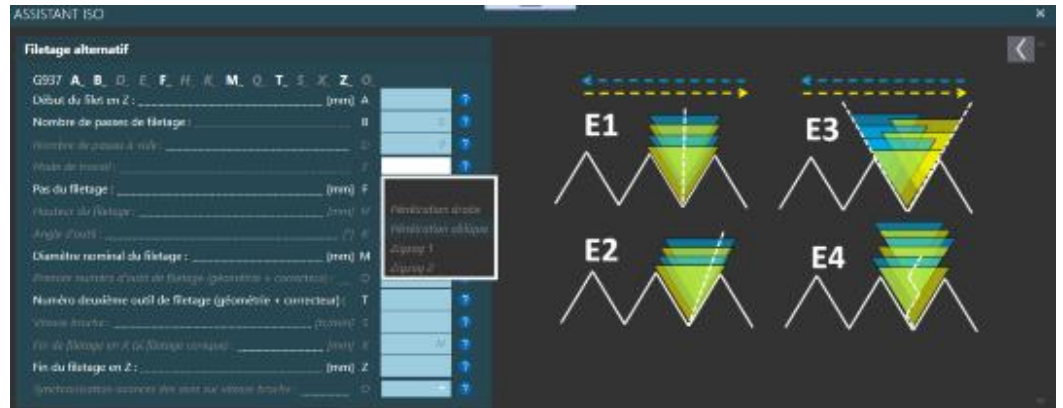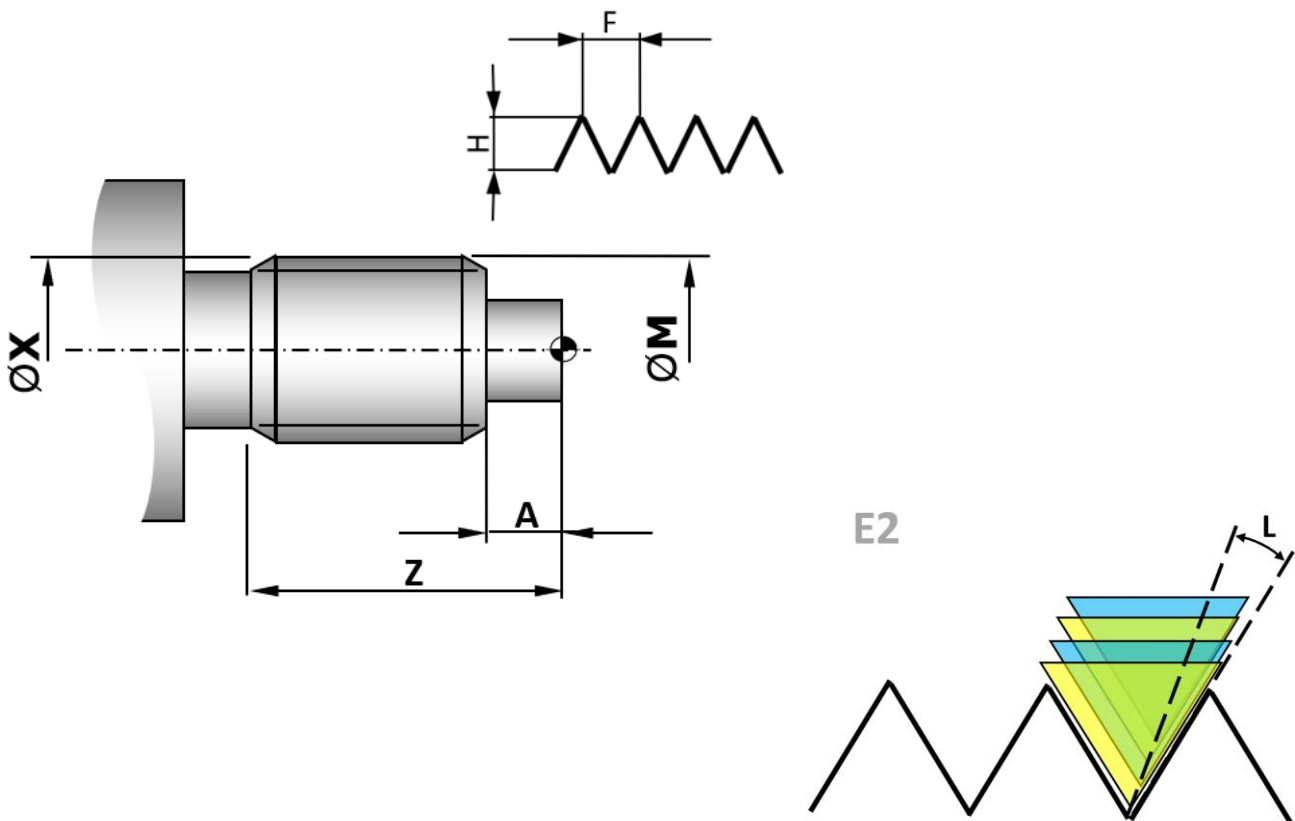
This process has many advantages, including
- Cycle time reduction
- Reduction in tool heat build-up
- Increased tool life
- Better management of burrs
- Removal of possible chip on the part
- Fast and easy to program

3 Programmation

The function is programmable by the G937 macro and its programming assistant.

 The function has a wide range of settings to meet the maximum number of needs.

4 Availability

The function is available on all ISO machines via the "TISIS Post-processor" function.
Available since TISIS version 3.5.3.