CASE HISTORY - enormous savings with lowest Chip to Chip time
On Mikron XT-one

Dual spindle, 5 axis, flexible production center

EXCEPTIONALLY VERSATILE AND PRECISE
The Mikron XT-one machining center is worldwide amongst the most versatile and precise machines for complex parts. With its numerous configuration possibilities, every Mikron XT-one can be customized into a perfect solution for your requirements.

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Dual spindle concept
Increased productivity, returns enormous savings

The two independent working spindles of the Mikron XT-one enable it to work alternatively. While one spindle is machining, the other is changing the cutting tool - even at maximum spindle speed. This allows shortest non productive times with chip to chip of 0.9 s.

CUSTOMER CASE

SAVINGS OF UP TO 500 -1000 hours of non productive time per year equal 120’000 $US/YEAR

EXAMPLE 1
With 4 tool changes per minute saving 470 hours per year equal US$ 30’000
Calculation: 16h/day, 220 days/year, 15’000 rpm (0.9 versus 3.4 seconds chip to chip time - a 2.5 second difference factor), 80% = 469.3 hours per year with 60 US$ per hour = 28’800 $US.

EXAMPLE 2
With 8 tool changes per minute saving 2’000 hours per year equal US$ 120’000
Calculation: 22h/day, 300 days/year, 15’000 rpm (0.9 versus 3.4 seconds chip to chip time - a 2.5 second difference factor), 90% = 1’980 hours per year at 60 US$ per hour = 118’800 $US.

Mikron XT-one
Constant chip-to-chip time of <1 second regardless of spindle speed

Considerable cost savings – from short idle times and rapid tool changes