

# Project Info 13

Type of machine: Travelling column machining centre

Task: Machining excavator shovel teeth and special lugs made of toughened steel

- Solution:
- Asymmetric pendulum stroke for optimal work processes
  - Right: 5-axis machining of the ends of lugs in three sizes by means of rapidly exchangeable clamping devices
  - Left: Machining the mounting surfaces of excavator shovel teeth
  - Alignment by means of centring bolts, clamped onto hydraulically moveable contact surface

- Special characteristics:
- Two different hydraulic clamping mechanisms for workpiece machining in pendulum mode

## Technical data:

X-traverse range	2035 mm / Pendulum stroke left = 620 mm / pendulum stroke right = 915 mm
Y- traverse range	600 mm
Z- traverse range	800 mm
Main drive (with 40 % DC)	56 kW
Spindle torque (with 40 % DC)	355 Nm
Speed range	30 - 4000 1/min
Tool changing system	26 tool places XTS
Rotary table:	NC rotary table RTA 3-630
Swivel head:	Infinitely variable



Aligned by means of centring bolts and clamped from beneath against a hydraulically movable surface



Hydraulically aligned and clamped against impacts