

### Processing plant TTS 500

For processing of steel-, special steel and brass chips; processing of parts possible



The presented processing plant consists of 3 system components which are connected mutually. The main part of this plant has been built up by a charging device, an interconnecting filling station, a transport system for drums, oil separating centrifuges, an emptying station, a screening machine with swing conveyor trough and means of conveyance for charging the containers.

The second part of this plant has been made up of a charging plant and a swarf mill; the third part consists of the cleaning of cooling lubricant with storage tank for the cleaned fluid. The central oil supply has been connected to the cylindrical storage tank.

In the smaller chip containers are exclusively crushed chips (or parts). The containers will be pushed into the charging plant and will be emptied in a centrifugal drum standing in the filling station. Afterwards, the centrifugal drum and the TT-system will be inserted into a free centrifuge and centrifugalized there. After the centrifuging the TT-system transports the drum to the emptying station. This station empties the drum in the swing conveyor trough charging the screening machine. In the screening machine, eventually existing parts (and/or solid scrap pieces) will be screened; the chips fall down into the means of conveyance and will be carried to the corresponding container (specified for the corresponding material).

Woolly chips are situated in big chip containers and before processing, they will be crushed in the main plant with the swarf mill plant. The filling of the swarf mill will be also made with a charging plant; after the crushing the broken chips fall into a small chip container, its contents will be processed as described above.

The regained oil will be collected and carried to a cooling lubricant cleaning centrifuge. Here, the soil particles will be separated and collected. The cleaned oil will be pumped into the cylindrical storage tank and from there, upon demand, transported back into the fabrication. By means of the especially continuous working principle a very good purity degree will be achieved and you can use again the concentrated oil for high quality machining processes without any problem. There is no need for a funnel auxiliary!