

Cutter Meissner RSM325 Vacuum

- **Meissner Machine is a 325 liters bowl cutter complete stainless steel.**
- **Power 80/95 Kw (150 Amp./195 Amp.)**
- **Two speeds for knives 1650/3300 rpm**
- **One mixing speed 175 rpm**
- **Three speeds for the bowl 7/14/21 rpm**

Electric part:

1. Dismantling wiring and control unit.
2. Completer overview of the elements of the automatics.
3. Making completely new control unit with using some elements of the existing control unit. The following elements were permitted and re-applied in the new control unit: cables supplying main engine, power circuits of the main engine and power circuits of the hydraulic drives, discharge, vacuum and bowl
4. Changing the bearings and gaskets in the engines
5. Making completely new control panel (engraved), complete remake of the control panel and steering case
6. Developing the new safety system of limit switches, circuit diagram, algorithm of the program.
7. Installation of the wiring and limit switches
8. Installation of new water counter
9. Supplementation of the steering unit with the safety system compatible with the systems NOT-AUS.
10. Making completely new control unit (from the beginning) and the wiring of the steering case
11. Correction of the power circuits in the range of power switch and power safety fuses.
12. Tests of the cutter and corrections of the program.
13. Developing the manual for the control unit and circuit diagrams.

Mechanical part:

1. Complete de-installation and re-installation of the machine, washing, cleaning, checking all the components, casings etc.
2. Sand-treating, polishing casings and other elements of the machine, rectification of some elements
3. Welding the scratches in the bowl and polishing it after welding
4. Complete repair of the water vacuum pump – changing the bearings and sealings, cleaning, painting
5. Regeneration of the main knife shaft bearing casing (the socket was cracked and overworked, it was necessary to lathe it, then weld, lathe again to the dimension
6. Chaning the bearings and sealings on the main shaft (there were no original sealings in the cutter at all, we had to replace the new ones , made by us on the basis of the technical documentation).
7. Complete repair of the bowl drive gear and mixing speed drive (changing the bearings (including special bearing under the bowl that has been made on special order, sealings)
8. Complete repair of the whole hydraulic unit (all cyllinders have been dismantled, cleaned, painted, the sealings have been changed, the hydraulic container of the pumps has been cleaned, all the valves have been cleaned and painted.
9. Changing the vacuum hoses.
10. Changing the bearings and repair in the drive of discharge unit

11. Changing all the belts
12. Changing the sealings of the vacuum cover
13. Changing the plastic inserts / sealings between bowl and corps of the machine (there was necessary to measure and draw them, order completely new ones and then adapt to the existing machine)
14. Installation of the new feet for the machine