



WIAP[®] Werkzeugmaschinen



Neumaschinen, Drehmaschinen, Sondermaschinen

Stand 22042018 hpw short everything p.2



Picture 37: Parallel gripper 2 pcs. WIAP own design



Picture 39: Clamping is good



Picture 38: The housing made of cast iron for a good sliding



Picture 40: The underhand grip. Thus it is not steel on steel, we also accept slide lining

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Picture 41: 2 grippers for 40 kg. It could be lifted safely even 80 kg



Picture 43: Touchieren of Z carriage



Picture 42: Test of the gripper with the HLV (auxiliary charging device)



Picture 44: Vross slides in the assembly

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Picture 45: Cross slide



Picture 47: Jim, installation of X spindle

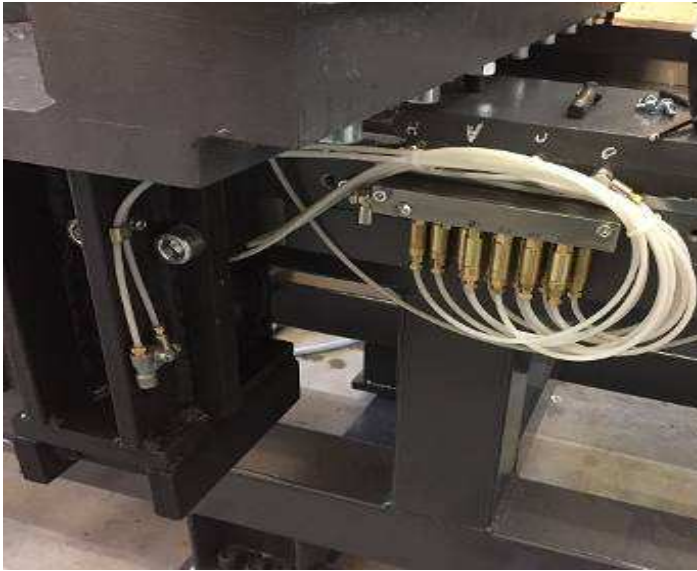


Picture 46: Sven, assembly of the lubrication

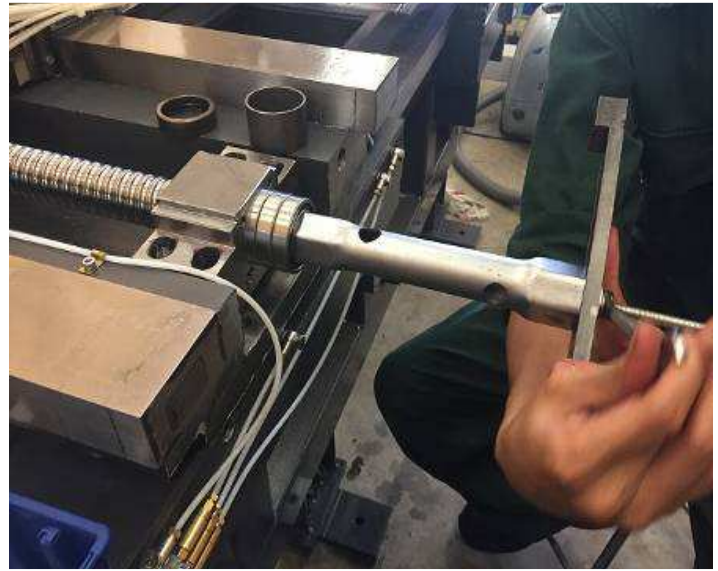


Picture 48: Lubrication is always a sweat of the brow; it takes time

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Picture 49: The distribution blocks, we do it yourself, because it was easier for installation. Per slide the WIAP always min. 3 lubrication points to ensure enough oil comes on the pads even with short strokes. The large areas have large dossier units and sub handles the smallest. The side surfaces average



Picture 51: The axial bearing we have bearing with a 40 ° angle. The same as with the WIAP vibration system. These last for years and are available from stock



Picture 50: We chose 40x70 mm and equal to buy a form at the wiper manufacturers, so we can use this model as standard a new command variable. In stock we have 3 machines



Picture 52: Ball screw lubrication and cover assembly

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Picture 53: So now the assembly of the two main spindles



Picture 55: No hammer during installation, all with mounting auxiliary devices



Picture 54: Clean, no dirt, no compressed air; as sterile in the hospital, prolongs the life



Picture 56: Slowly the machine adopts the form

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Picture 57: Sven at E cabinet assembly



Picture 59: The power supply is always something that just is one of them

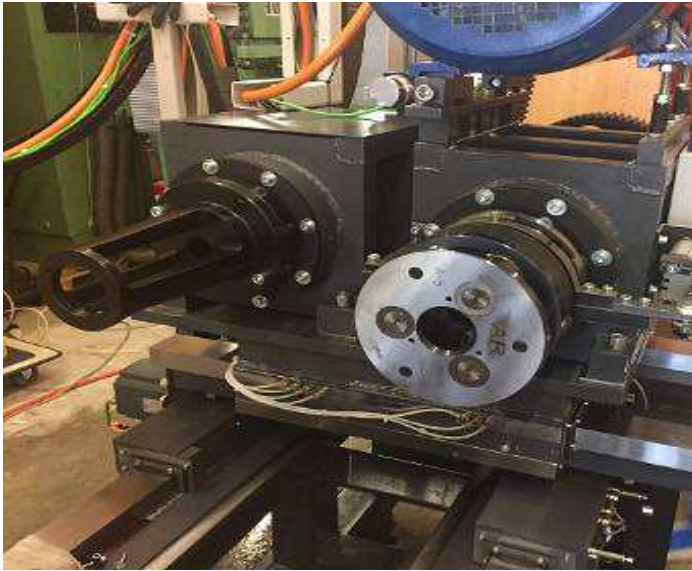


Picture 58: Installation of adjustment that the headstock can be adjusted at the hundredths. He is easy on both sides reference surfaces for spindle bore, that the belts tighten



Picture 60: Under the feed, as well as in the two spindles, it has documents that can be ground, that the alignment is not so hard

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Picture 61: Even the X carriage has enough lubrication points



Picture 63: Diligence work, welding

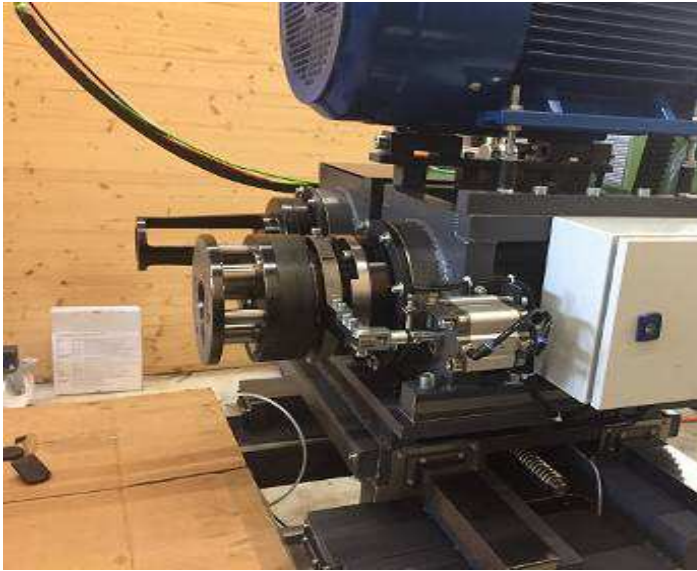


Picture 62: So now the formwork. The sheets we bought externally, but the frame is so bulky



Picture 64: Since the CNC no analogues has inputs and outputs, we have taken a PLC with HMI operation. It was easier to do as a Poti solution. The tool breakage monitoring of roller burnishing tools and peeling head monitoring for all threads on M function programmable. Like the food setting with Amp. And the setting of the vibrator of the parts supply goes beyond the PLC with HMI

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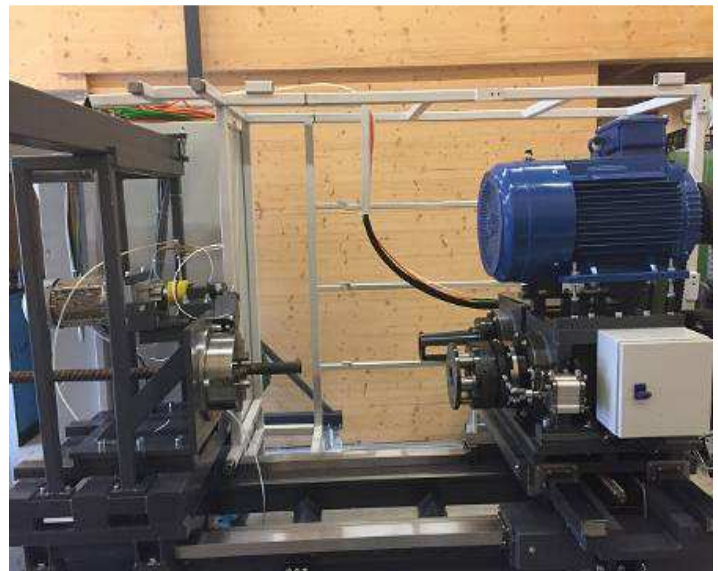
Picture 65: The rolling head of the old machine now goes on the new CNC machine WIAP Open and close above the cylinder. The longitudinal factor of the workpiece by the rolling is automatically calculated using an R parameters in the CNC program and taken into account



Picture 67: Standard switches, standard cylinders; easy to care for the maintenance



Picture 66



Picture 68

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Picture 69



Picture 71: Sven controlled



Picture 70



Picture 72: The framework is taking shape