



Stand 22042018 hpw short everything P.3



Picture 73: Jim during welding of the parts shelf subframe



Picture 75: Everything has been primed with 2-component paint and painted



Picture 74: In order to have space, we had to and outside to by



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Picture 76: Iris Widmer has a lot of experience from previous projects, it was their estimated support



Picture 79: How is it working, it is a film soon

Picture 77: Wear plastic, also protects against noise



Picture 78: The entire automation is finally also securely over 2 tons



Picture 80: Time and again had to be painted that in the assembly continued to be made. Bring the goods into the injection molding and always wait a week, would have greatly damaged the schedule. In addition, expensive to transport these bulky goods always

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Picture 81: Yellow paint is very tiring. Almost to paint the most unpopular color



Picture 83: The claws to rotate around the blank and finished part in the support. What moves yellow



Picture 82: The finished part racks pry men rods 50 a 40 kg shall be as pure



Picture 84: Fortunately, we do not have to paint every day

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Picture 85: Soon the automation for the assembly department is ready



Picture 87: Cargo in the space 1



Picture 86: For 2 tons must hold the device

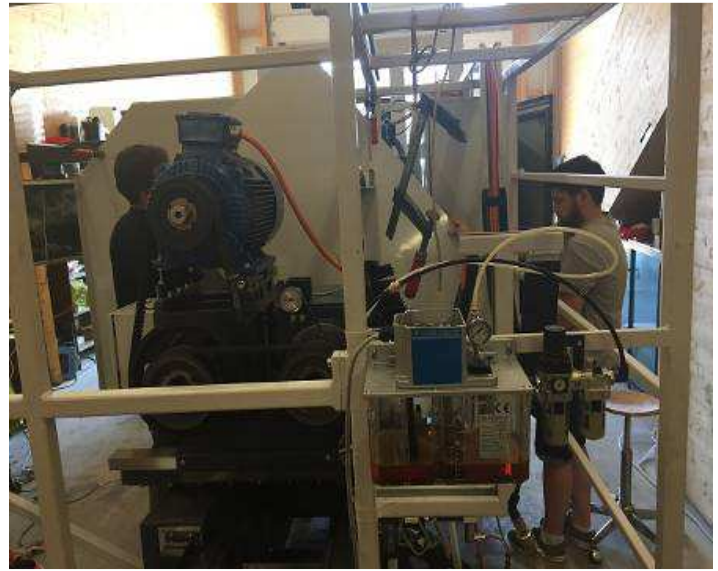


Picture 88: Transport goes well, with two possible pallet trucks

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Picture 89: This is the blank edition, here a bunch a 50 pcs. is laid



Picture 91: Fit plates is not to be underestimated



Picture 90: Sven for fine adjustments



Picture 92: The WIAP has a system for special machine that much needs to be done with simple sheets. It is less beautiful than in large series machines, but it serves the purpose

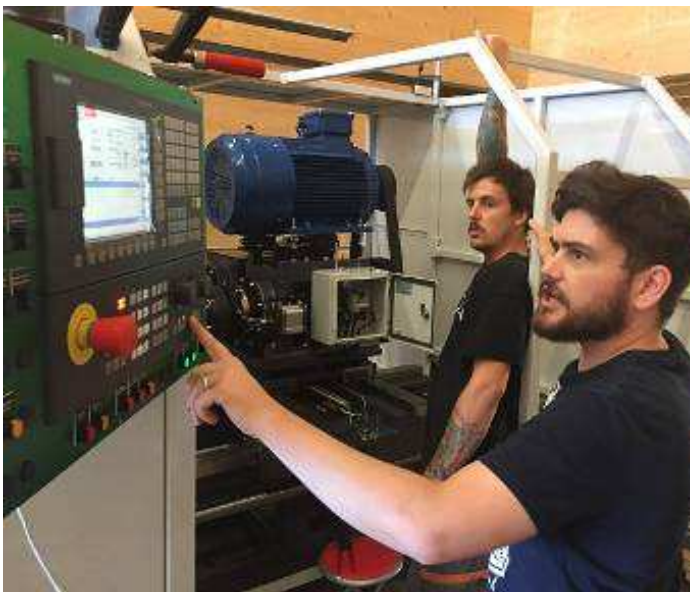
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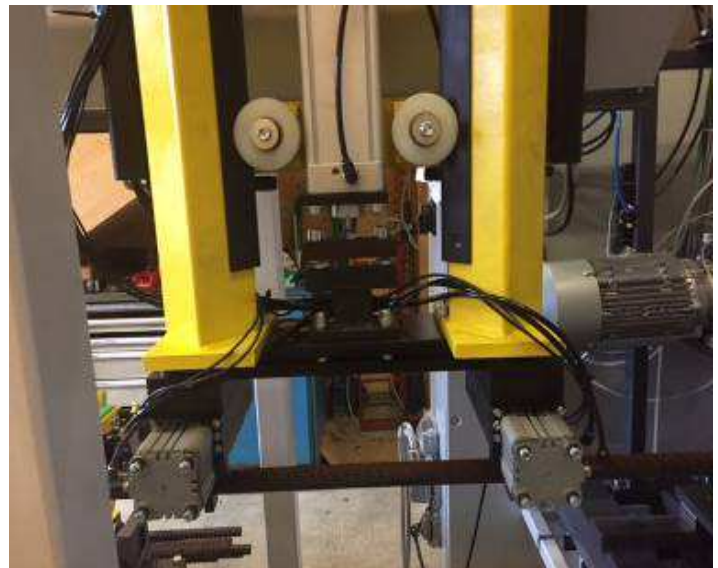
Picture 93: The passing through of the whole machine



Picture 95: The surgeon must only select the component, make little redirecting works, then he can start the new component. Nothing programming, everything goes automatically with parameter programs, jump instructions, etc. Automatically in case of overload the workpiece take shelter in the committee and restart. That's without any manual intervention.



Picture 94: Creating CNC programs and PLC, all of the boy's tip top. Sven has made virtually in the project all electrical, PLC marriage of CNC with the external PLC was not a simple matter, because the CNC does not have as many inputs and outputs, we had to use BCD coded language between CNC and PLC



Picture 96: The loader holds the component, while it is processed ahead.

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Picture 97: At 40 kg to 4 meters long stank go to a feed requires a stable solution. We have not saved with the steel weight



Picture 99: Band filter with chip conveyor



Picture 98: Food drive for 180 Nm. All diameters without jaw change possible. Lining can be freely opened enough to drive without interference contour with the loader to feed from behind. The lubrication lines are now installed throughout clean. The feed as the drive is everything lubricated automatically



Picture 100: The automatically closeable door is mounted. Plates are already drilled, but not yet mont wobbles that we do not scratch at the still to be made work

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Picture 101



Picture 103: Photo with the installation team from the side of the machine

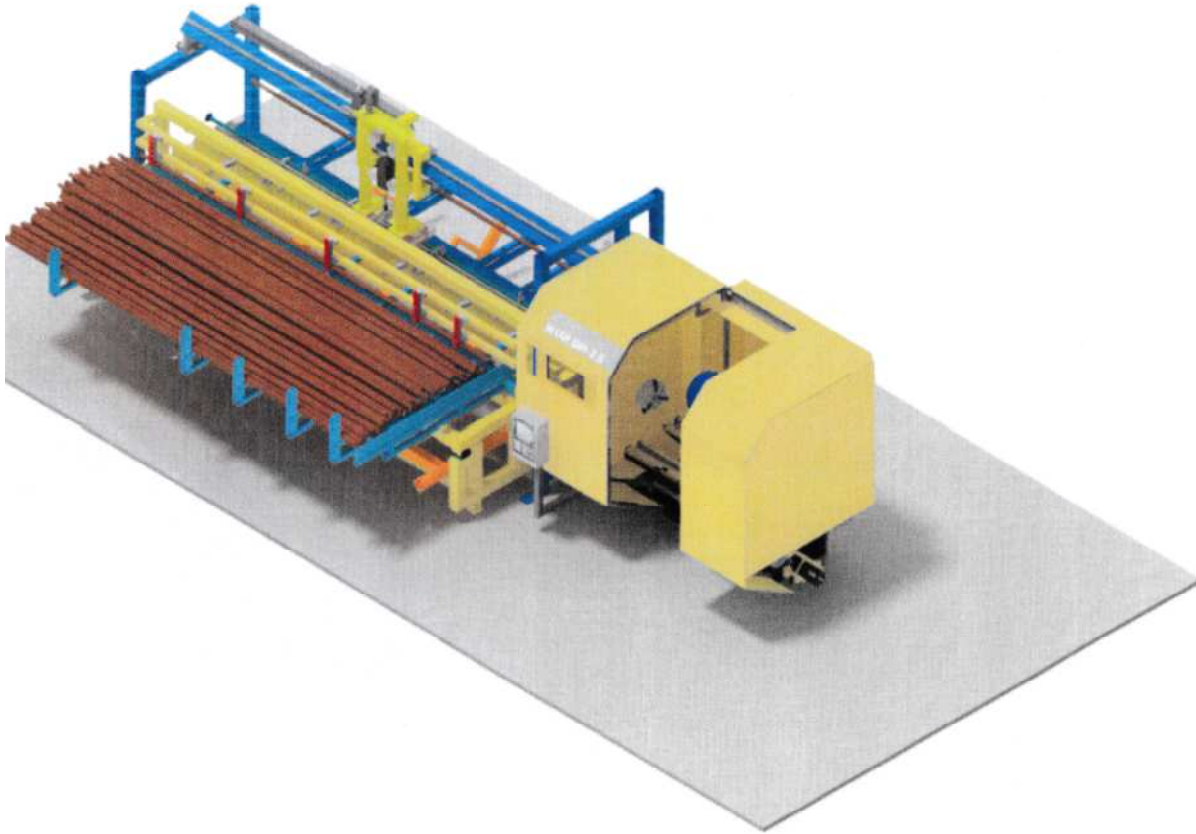


Picture 102



Picture 104: Design, construction electrically and mechanically. Assembly electrically and mechanically.
Production Team; a more versatile work can hardly be imagined.
From left to right: Dai, HP, Sven, Jim

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End product

Created: sw-jw-iw-hp Widmer



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