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International Conveyor Equipment & Trading

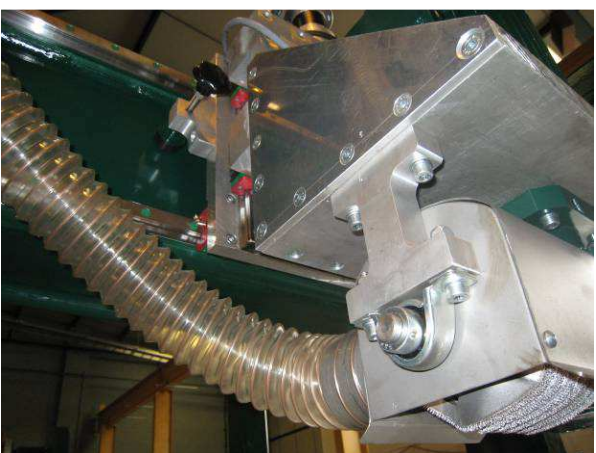
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ICE-Trade ® Belt Buffing Machine



The ICE-Trade Belt Buffing Machine (ITBBM) is developed to grind (buff) the conveyor belt, there where cleats and or sidewalls must be installed. The ITBBM features 3 grinding heads : 2 for length wise buffing for the sidewalls, 1 buffing head, crosswise, for the cleats. All 3 head have a grinding width of 100 mm, and can be operated individual.



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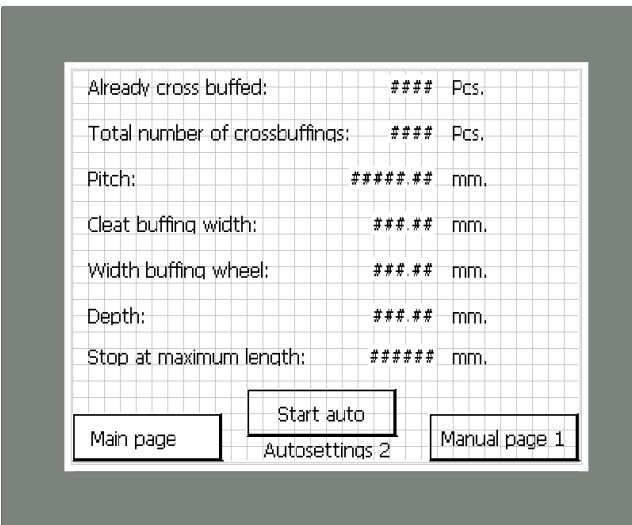
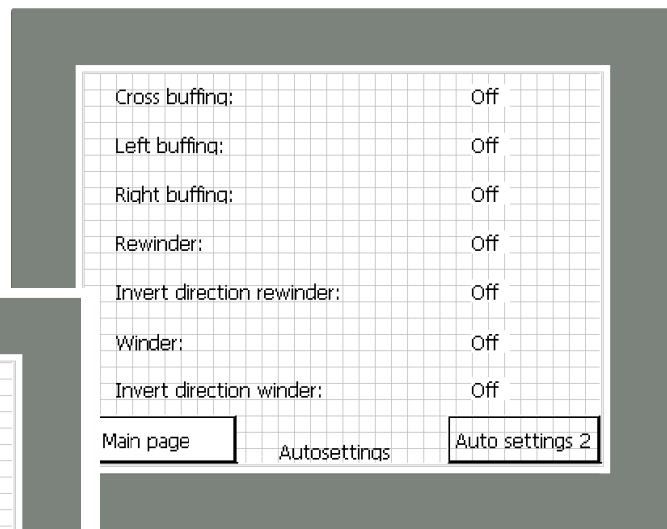
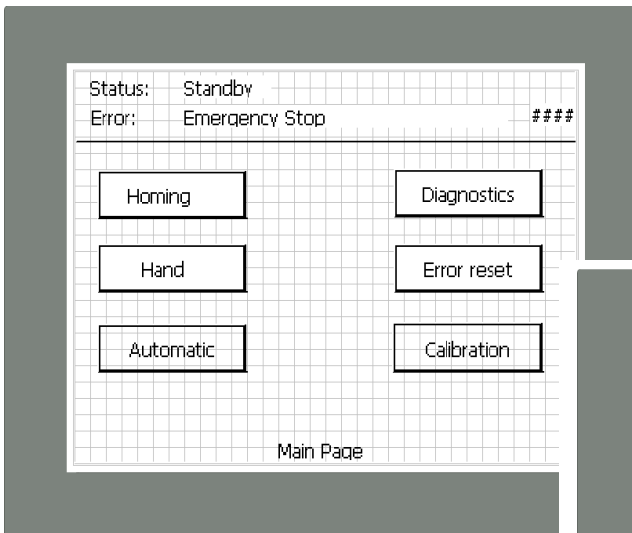
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The ITBBM is operated with a touch screen, where all the settings can be made.





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The Belt Buffing Machine is fully PLC controlled, so fully automatic, easy to manipulate and user friendly.

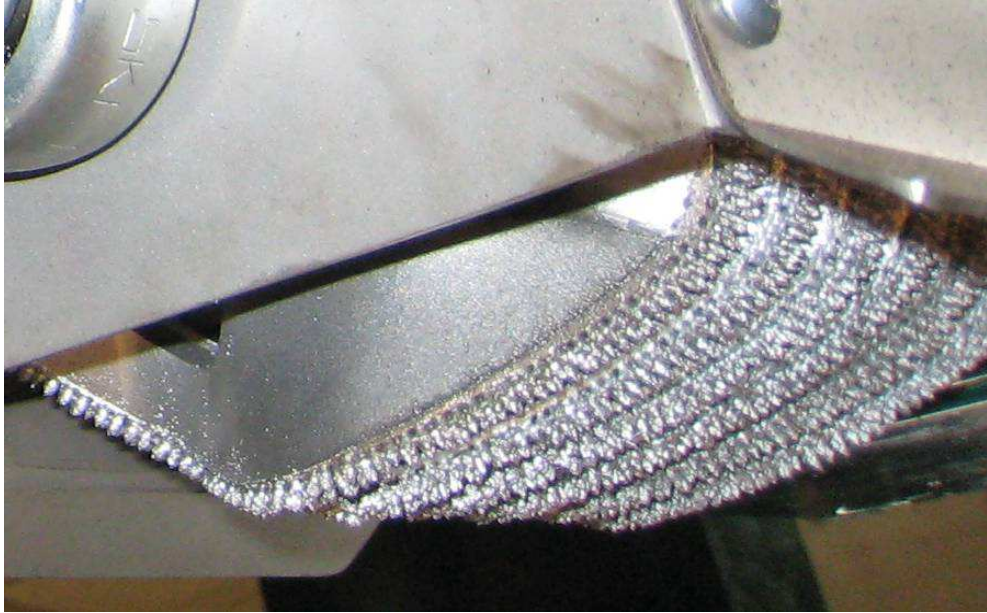


The ITBBM also features a modem, so that in case of a program update or an error message, we can, by the telephone line update, make a diagnoses and even operate the machine !

Principal of work, in case a belt must be grinded for both the cleats and the sidewalls is following : the cross wise buffing starts. After that action the belt is transported through the machine, at the set pitch of the cleats. During this transport the length wise buffing heads are grinding the spots for the sidewalls.

The grinding heads are set in the right dept of grinding by servo controlled motors. If a grinding head is not active it will stand in an upwards position, so that it doesn't tough the belt.

The grinding accuracy can be set at 0,05 mm.
Normal grinding dept is between 0,4 and 0,7 mm. to get a optimum buffed surface, for a good bonding result of the cleats and sidewalls.



The grinding wheels, installed to achieve the optimum buffed surface for good bonding properties are 6 Vane Wheels, with SSG ® grit Tungsten carbide.

The Vane Wheels, ensure a long lifetime, optimum grinded surface and on top of that, because of its shape, and the power of the dust suction system, that the temperature remains always low.



The ITBBM can be supplied with a belt re-winder which can be running synchronic with the Belt Buffing Machine. This is realized by an optical eye, measuring the distance of the belt, and keeps on re-winding as the ITBBM is transporting the belt through the machine.



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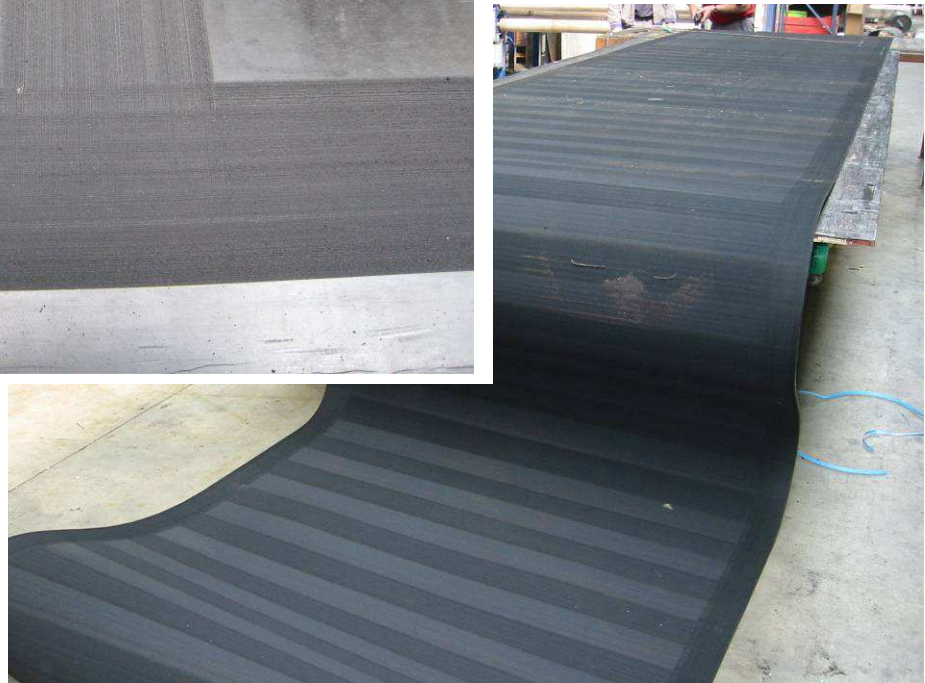
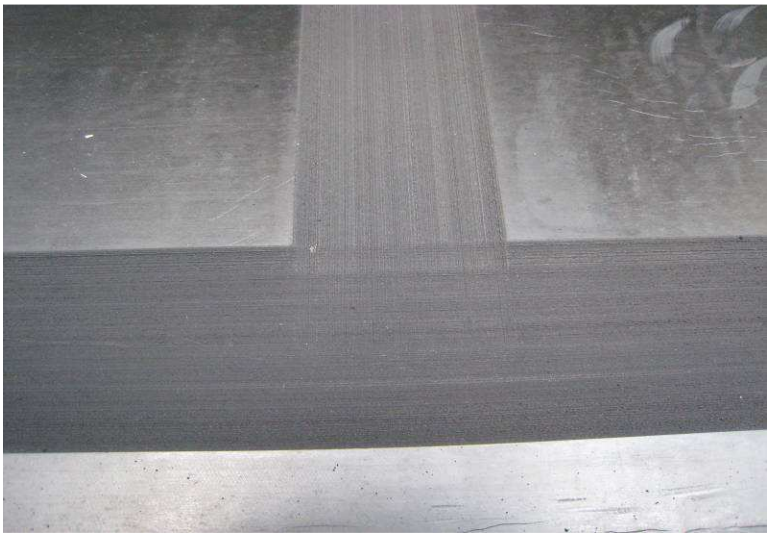
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As an option the machine can be programmed, that it will be able to grind in a **V-shape**, for the production of chevron belts.

Technical specs

Type	ITBBM-xxxx (belt width)
Length	1,8 m
Width	Depending max. belt width 3,7 m. (BW 2 m.)
Height	3 m
Weight	approx. 3000 kg
Grinding speed length wise	approx. 3,2 m/min
Noise	< 70 dB (A)
Tension	400 V
Phases	3+N+E
Amps	32 A

The grinding result



All the machines built by ICE-Trade ® are supplied with CE certificate, user's manual and operator training.

For further information, please do not hesitate to contact us.

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