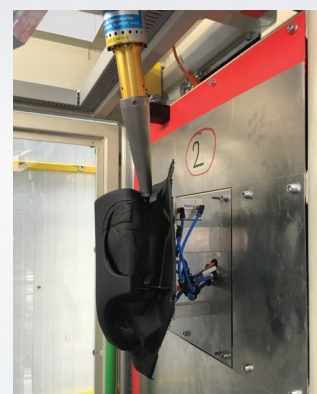
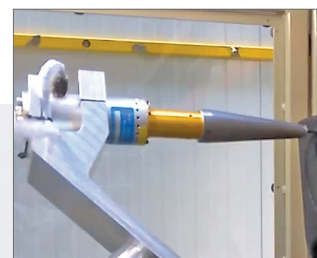
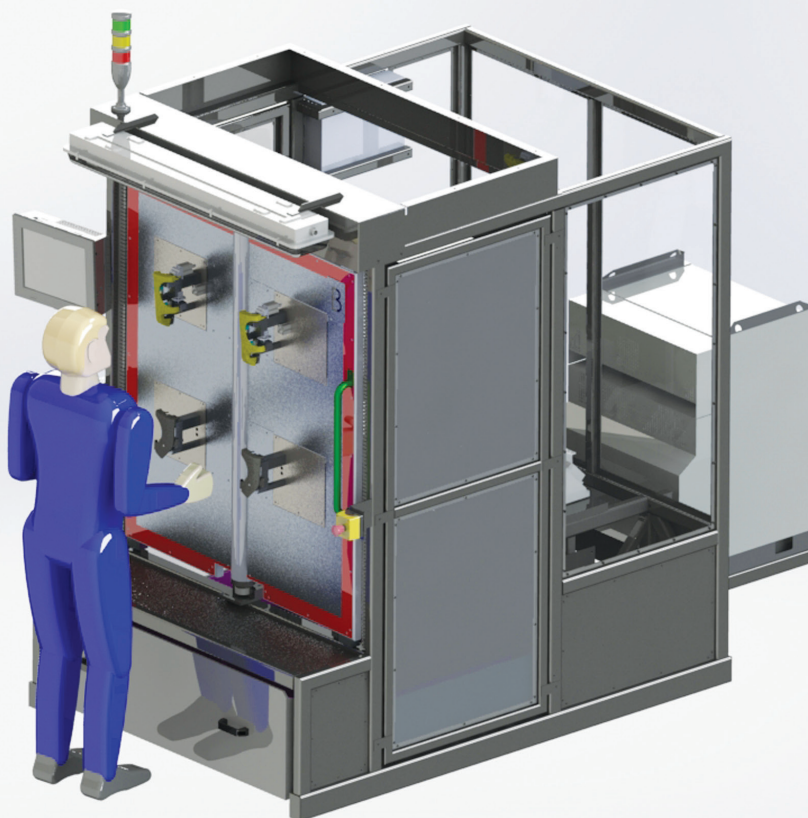


ROBOTIC TRIMMING WITH ULTRASONIC KNIFE



MAIN FEATURES

- A CLEAR TRIMMING ASSURED WITH AN ULTRASONIC KNIFE
- A PRECISE MOVEMENT ALONGSIDE A SHAPED PART, THIS IS SECURED BY ROBOT
- A SHORT OPERATING CYCLE (VELOCITY OF TRIMMING 100 MM/S)
- A MOVIE CAMERA CHECKING OF A KNIFE EDGE WEARING

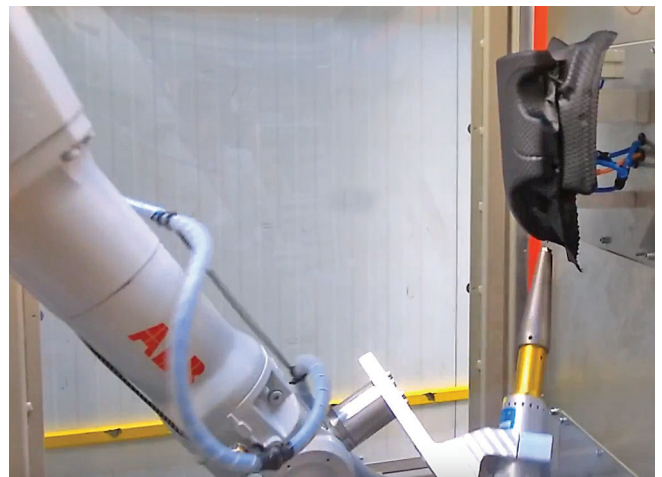
ROBOTIC TRIMMING WITH ULTRASONIC KNIFE

A machine makes a robotic trimming by using an ultrasonic knife. This technology could find an application for example in automobile industry for obtaining a precise trimming of surface sheets (leather fabric) which are used for covering interior parts of an automobile. After their sticking to a plastic ground (to a part of interior) it is necessary to cut off redundant parts of a surface sheet. Robotic trimming enables a fast and precise knife movement in 3D space, an ultrasonic knife ensures a clear trimming.

Parts for trimming are loading to the machine through a revolving door. While an operator is loading the parts for trimming to the fixing matrix at the outside part of the door, at the other side, inside the machine, the trimming is in a progress. After an end of the trimming and a door turning, the trimmed parts are taken off and the next parts are loaded.

It is possible to trim both nonsupported parts of the surface sheet alongside the border of a pressed part and the surface sheet stucked on a plastic. A depth of the trimming is in this case adjusted for not to damage the plastic ground.

A machine vision system carries out a knife inspection after every working cycle, it measures a knife edge wearing and it also warns a service if there is a necessity of a depth trimming correction. The depth trimming (offset) correction enables to use even a partly worn or broken knife edge, both without a quality trimming reducing.



trimming part

poslední stav	současný stav
čas: 30.06.2016 15:56:59	čas: 08.07.2016 16:02:32
počet ořezů: 11 234	počet ořezů: 21 346
odlomení: 0,054	odlomení: 0,63
nastavený offset: +0,5	doporučený offset: +0,1
<input type="button" value="zpět"/>	<input type="button" value="změnit offset"/>

knife inspection

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