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DEPRAG QUALITY CONTROL - VERIFICATION AND MARKING MACHINE

This month's machine was manufactured by DEPRAG on behalf of a major automotive sub-supplier. The machine has verification and marking components integrated; no screwdriving.

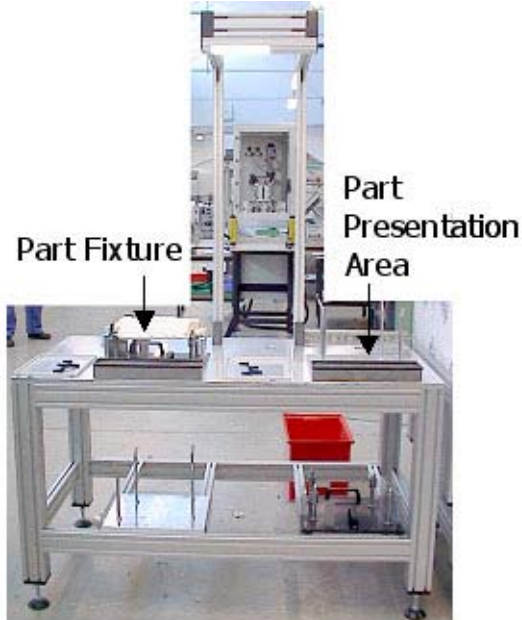
The product is an E-box cover, which requires the loading of electrical components. On the left side of the unit is a manual workstation, where the E-box cover is placed into a part fixture and subsequently loaded with four individual components. On the right side of the station is a part presentation area, where the individual components are presented to the operator.



E-Box Cover BMW



Parts



completed E-Box Cover

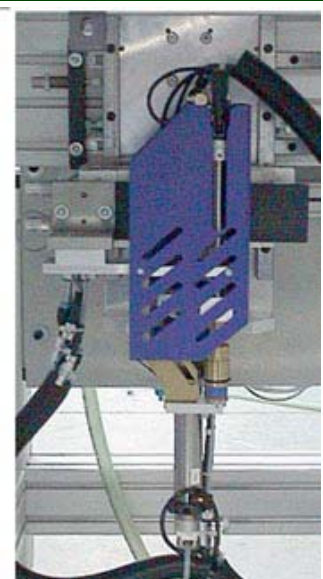


E-Box Cover in part fixture



Verification Station

The part fixture is designed to accept an E-box cover for vehicles, which have the steering wheel on either the right side, or on the left side of the vehicle. Once the four components have been manually placed, the DEPRAG unit verifies that all components are present and that they are positioned accurately. The verification process is done by sensors, which are integrated into a down-hold plate. Upon completion of the testing process, a marking system moves up from under-floor [inverted from underneath] and marks the completed E-box cover with the employee ID-number of the Operator.



Marking Station