

Project example Eye-shadow



1. Less is more: the quick-change tooling of a TLM-F4 robot.

2.



The closed empty compacts are fed into the line, opened and monitored by scanners. The Schubert TLM-F4 is working in the background. Depicted on the right is an optical quality control facility with ejector.

3.



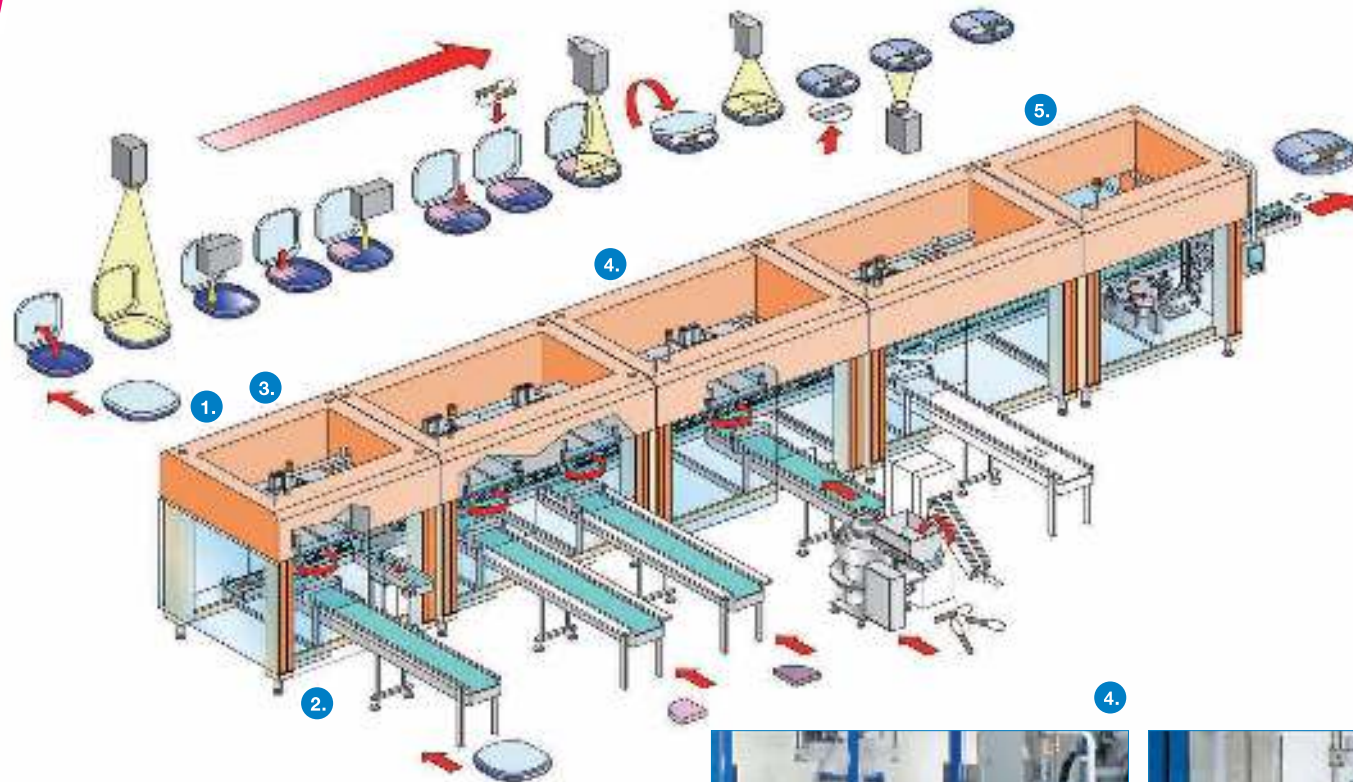
A standard TLM-F44 cell offers facility for inserting two different powder trays. The glue application system and an optical control station are visible in the centre of the picture.

IPS is involved in a wide range of different sectors. One area in which IPS benefits from broad, in-depth experience and expertise as a project partner is the cosmetics industry. An example of this is its work for the Scandinavian company Noiro in the conception and installation of an assembly and packaging line for makeup compacts.

The Noiro plant takes the wide variety of different makeup compact designs easily in its stride. Changes between formats are completed in a matter of minutes by program resetting on screen, and swapping the quick-change format components. Output reaches as many as 33 makeup compacts per minute.

The empty compacts are initially fed closed into the line. The first robot station opens the compacts and places them on the central conveyor belt. The first pressed powder tray can then be positioned and inserted at the second station. The third station is responsible for inserting the second powder tray. Two applicators are inserted in the prepared position in the fourth station before the compact is snapped shut in station five.

The packaging line implemented by IPS and its parent company Schubert provides outstanding testimony to the clarity and easily manageable design of packaging systems using TLM generation machines. All areas and functions of the plant are easily accessible and simple to operate.



The applicators are separated using E&K technology. The products are pre-portioned coming from a storage hopper and transported by a multi-track vibratory conveyor. In the background, the TLM-F44 cell is seen inserting the applicators into the compacts.



A Schubert TLM cell accommodates a Herma labelling system. A previously printed and counterchecked label is applied from below onto each compact.