



More versatility in pre-finishing machinery



Starlux 5 Vario embossing/ironing press with variable pressure mode.

DISTANCE BETWEEN BUFFING CYLINDER AND TRANSPORT CONVEYOR IS REDUCED.

A redesigned frame of the machine reduces to a good half the distance the leather needs to travel to reach the transport conveyor avoiding the overlapping of leathers whilst being fed out from the machine. In this manner the leather is in continuous throughfeed with the dedusting machine thus eliminating manual handling between buffing and de-dusting.

Significant technical innovations by the pre-finishing equipment specialist Bergi SpA, together with its automation and material handling group member Bertech, continue to attract much attention. Bergi, in particular, well established over a period of nearly fifty years in the development and manufacture of buffing, setting, dedusting and polishing machinery and then for its rollcoaters and rotary presses, is building new features into such equipment. Bertech, a younger member of the group, is drawing attention to its material handling equipment chiefly with stackers, and finished leather bundling machinery.

In the throughfeed ironing/embossing machine category, a unique system of variable pressures has been introduced in a new machine, the Starlux S Vario, which can iron in different modes through a straightforward and rapid change of settings. The possibility is now available to iron by variable pressure, by thickness in contact with the grain without pressure and by "winding", meaning changing the contact point between the operative roller and the felt to pre-heat the leather. This latter operation can take place with or without pressure. All these operations can be executed with ironing, sandblast or haircell embossing rollers.

An important step forward in the range of Bergi buffers was taken earlier in 2013 when a machine designed specifically for the buffing of light and delicate leathers, the Innova, was developed based upon three elements:

BUFFING CYLINDER AND RETAINING ROLLER ARE REDUCED IN DIAMETER.

Normally buffing machine design aims for large contact area between buffing cylinder and transport roller which results in strong buffing action in that zone. If small and thin leathers are buffed with this configuration the outgoing edge of the leather can be liable to be cut.

AUTOMATIC ADJUSTMENT OF WORKING THICKNESS AND THE RETAINING BLADE.

To facilitate the buffing machine operation, as well as for lesser skilled operators, a new system to adjust thickness replaces manual intervention with electronic control. A digital display unit is placed in front of the operator who can adjust the buffing action by push button control. The system also adjusts the position of the retaining blade and the brush under the transport roller automatically; as the rubber roller wears the retaining blade and the brush automatically adjust their position.

Automatic and mechanical handling of finished leather, another arm of Bergi

In 2005 Bertech s.r.l. was created by Bergi with the remit to develop automation systems covering all sections of leather processing. Although later absorbed by Bergi the trademark Bertech continues to be retained to identify the part of Bergi dedicated to the development of automation.

The first objective of the Bertech division has been the design of reliable and safe leather stackers suitable for stacking leather after ironing and measuring machines resulting in a model known as Soft. A second model called the Dynamic, a multi-purpose stacker particularly for use after processes requiring high laying precision, then came along. A landmark for Bertech has been the development of its stacking machinery with a patented anti-fall system giving priority to operator safety. The newest model stacker, Compact, is built to be suitable after wet blue and crust processing with a fast, easy and precise action. It completes the range for this important area of automatic handling by Bertech.

In the field of bundling, a Bertech system preparing finished leather bundles by folding them and another machine that prepares bundles of finished leather and loads them onto pallets are part of this category. ☺