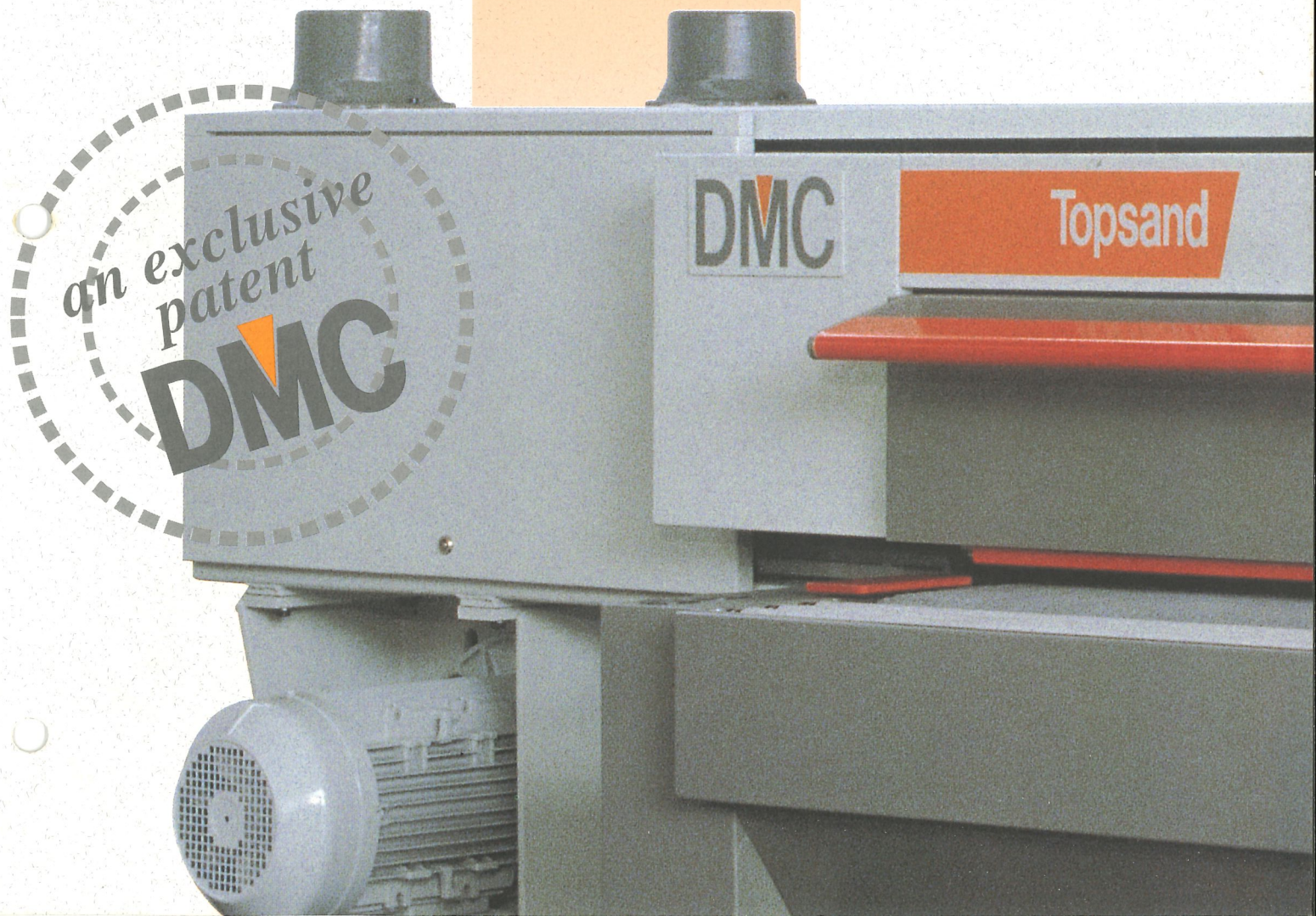


Topsand

Solid wood pressed back chairs



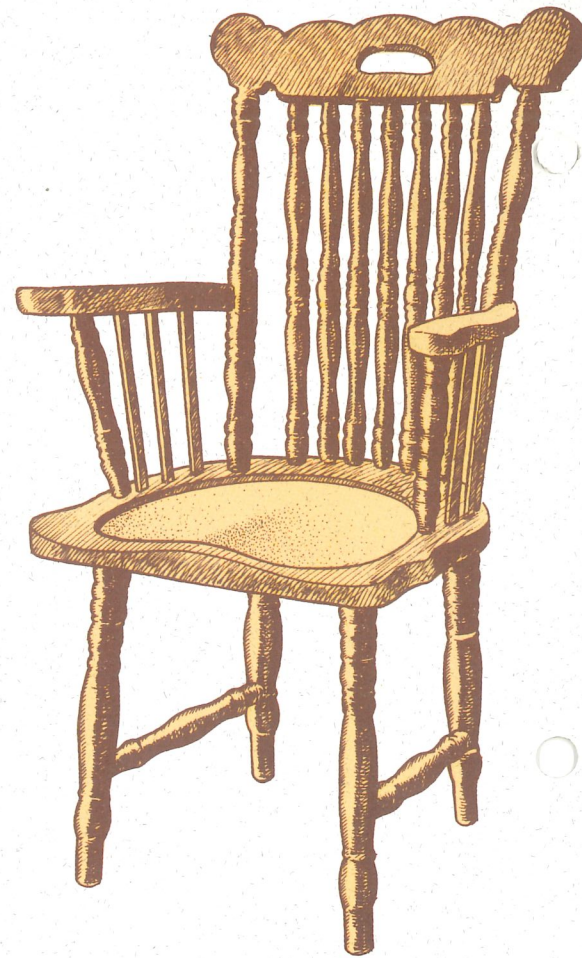
an exclusive
patent

DMC

DMC

Topsand

**The new
DMC patent:
a sanding
unit for
*Solid wood
pressed back chairs***



DMC has dealt with a problem that has, up to now, been a stumbling block for automatic systems: the sanding of considerably uneven surfaces, with depth differences up to and about 10 mm. This problem has now been solved thanks to DMC's technological know-how, more specifically the evolution of the well-known EPICS electronic sanding pad system (DMC patent), now installed on all DMC sanding units.

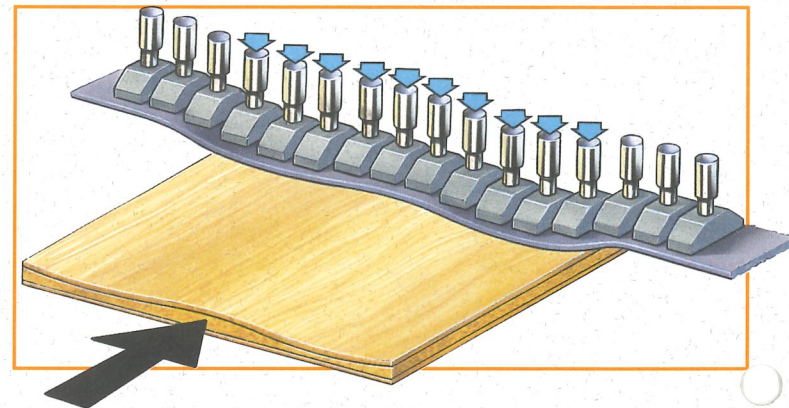
Development has led to the creation of an electronic sanding pad divided into sectors (also patented) which is easily able to follow the ups and downs of the product profile.

This new DMC invention is particularly useful in the production of those country style solid wood pressed-back chairs which are popular throughout the world.

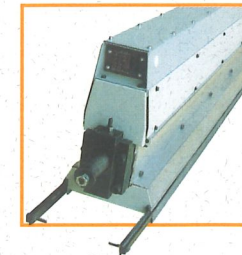
The common feature linking the various models is the anatomic modeling of the seat, produced in a range of shapes and, more importantly, with different depths (usually greater than 3 mm).

The depth of this anatomic "print" has, up to now, been a real technological barrier in that traditional automatic sanders do not permit simultaneous sanding of the upper and lower parts, thus binding chair manufacturers to relatively more labour-intensive production consequently resulting in low productivity and high costs.

The system patented by DMC now allows seats with "dimpling" depths of 10 mm and more to be sanded. Since more than one piece at a time can be introduced without the need for any reference point (thus freeing the operator), high levels of productivity can now be reached (over 500 seats/hour).



**EPICS
(Electronic
Pad Independent
Control Stroke)**



Housed inside a pressurized dust-proof structure, a special one-piece crossbar (DMC patented) carries a series of independently operating pressure sectors. The HYDRA electronic control, which pilots the EPICS pad, allows application of differentiated pressure on the individual sectors, even on the same panel. Thanks to the interchangeable pad, a wide range of sanding needs can be tackled (woods of varying homogeneity, varying paint hardnesses or coat thicknesses). Replacement is ultra-rapid (about 1 minute), and the available pad hardness/profile range is vast enough to satisfy even the most sophisticated and specific needs. A practical LED screen lets you make sure that all of the sectors are operating perfectly.

**TOPSAND:
top performance
in every
situation**

Designed for top quality work and maximum reliability, TOPSAND is right on the cutting edge of sanding technology, offering superb performance and reliable results. TOPSAND is the result of an ambitious project with clearly defined goals, orientated towards that flexible modularity which allows the setting up of uniquely customized sanding systems, fully satisfying the unique requirements of each client and each specific job - without compromises! There is not one work requirement (one or off the line) that cannot be met by the work units and their proper sequencing. Solid machine robustness is backed up by superb space management, offering incomparable tool fitting and maintenance accessibility. Careful attention to every detail and the utilization of work station ergonomics make the operator's job easier and faster. TOPSAND's modularity offers a wide range of configurations: there is virtually no sanding job, either on or off the line, that cannot be accomplished through optimum work unit sequencing.

*an exclusive
patent*
DMC





Sanding machines and systems for the woodworking industry

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