

Program Actors



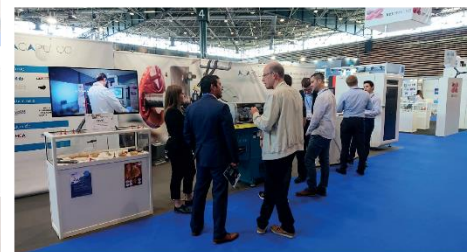
Glimpse to the futur

ACAPULCO programm was invited by IDICE (3D PRINT trade show organizer) to come and present a preview of its research programme on hybrid polymer mould cavities.

This trade exhibition confirmed the growing interest and need of manufacturers regarding the realisation of polymer mould cavities which allow the injection from a single part to batches that can amount to several thousands of parts.

For the first time, the production of more than 7000 parts was realised during the trade exhibition and goodies (phone holders) were distributed to visitors. It is made up of 2 parts which fit together, TPE suction cup and reinforced with spruce PP handle.

A real success for its first edition with its booth which was busy all three-day long thanks not only to the participation of all its partners but also companies such as Beweplast, Kraiburg and Holland Colours.



The latest information on Acapulco.

After the first specification stages, setting up of special tests procedure and research focused on new surface coating (IPC, CFP Matériautech) enabling to improve the thermal behaviour of the tools, in-depth assessments were conducted on polymer resins by INSA and Prodways.

This programme highlighted the importance of prior studies on thermal behaviour of the tools which were conducted by Cadflow company to optimise **mould cavities regulation**.

After this first development stage, which enabled us to provide major innovations in hybrid tooling design, the programme has entered a qualification phase of injections. These injections were realised with different kind of mould cavities based on different concepts by MIHB, CFP, Créastuce, Materiautech, SMP, Cadflow, INSA et le LAC. As a point of reference, steel tooling realised by SMP was used by all participants.



The next step will be the industrial validation of the project with SMP in pharmaceutical sector, MIHB in automotive and Créastuce in aeronotic field..

The success of the programme is the shared skills at the service of innovation :

- The developments of materials and surface treatments were realised by INSA and IPC
- The cavity realisation was done on PRODWAYS equipment
- The test runs were made by CADFLOW
- The industrial testing and validation were led by CFP Matériautech, MIHB, SMP, LAC et Créastuce.

If you want to test this technology, do not hesitate to contact us

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Institutional partners