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**Study and realization of high-tech machineries - Turnery, grinding and lapping of mechanical pieces  
Production of screw and barrel for plastic materials, also in Doalloy®**

## **SCREW WITH THE MYRO PROFILE**

**The profile is used for extrusion screws and moulding.**

**This profile has been developed by our company to satisfy and to improve plasticization and to improve production efficiency.**

**Customers using screws with the MYRO profile have improved plasticization by 50%, they have gained a perfect distribution of Master and they have also enjoyed a production increase up to 30% with no need to add power .**

**This profile, then, avoids pulsations, keeping a constant pressure in the filter.**

**The screws with the MYRO profile can be used with different types of plastic materials, as: PVC pipes, PE HD, PE LD, PA-PE (60-40), PA-6, PA6-6, PA 12, PS PPS, HPS, LDPE-EVA, ABS, PO, PMMA-ABS.**

**The MYRO profile has been applied with success also on screws for injection presses.**

**The MYRO profile is projected for class of materials.**

**What is the MYRO profile?**

**The MYRO profile has an open barrier thread that allows the gathering of material already plasticised in the thread of liquids increasing speed, while the granulated product remains in the channel of solids, slowing down speed waiting that temperature plus friction reduce granules in plastic material.**

**The transformation action MYRO is very soft and slow, opposite to other systems that brake both the liquid product and the solid one generating pulsations, stress to the plastic material and reduced production.**

**The MYRO profile is a project of FERIOLI FILIPPO SPA and we propose it as technological improvement in the working of the plastic materials.**