In provincia di Ancona, un’azienda familiare stampa a iniezione per i maggiori player globali dell’automotive usando la tecnologia “metal replacement”: una rivoluzione dolce che richiede la massima sofisticazione

In the province of Ancona, a family-run firm supplies injection moulding for leading global players in the automotive sector, using a technology called “metal replacement”: a gentle revolution that calls for extreme sophistication

Foto di/Photos by Studio Zagnoli e/and Studio PDP
In Morro d’Alba, in the province of Ancona, small tears weep from ripe grapes, giving rise to the name of the famous native dark grapevine called Lacrima (meaning “tear” in Italian), which won DOC status in 1985. Here, in the hills a few kilometres from the sea, every day 34 automatic shuttles carry 2,600 loads from production to quality control and packaging. But rather than grapes, they transport automotive components produced by Tech-pol, which was named a “best supplier” by General Motors and is celebrating its 40th anniversary in 2018.

This family firm, founded by Maurizio and Giuli ano Romagnoli, operates in the injection-moulding sector for leading global players – Audi, Porsche, Volkswagen, Lamborghini, Chevrolet, Opel and Magneti Marelli – with forays into the worlds of design, lighting, electrical appliances and sports equipment – from Technogym to Carpigiani and Mares. Its “metal replacement” technology is a gentle revolution that calls for extreme sophistication. The moulding machines are anthropomorphic, 24-hour production control is centralised on screens, and the work organisation is visible on monitors displaying functions, emergencies and needs. Each island is a world that, at any time, can produce single, multiple and different pieces, then assemble them before the final operator control phase. The 40 injection-moulding machines have a power of up to 800 tons with bi- and tri-material techniques. Productions offering the same performance are lighter, less expensive and as strong as metal, with simplified logistics as well as sustainable and flexible design.

The service spans from concept to engineering and from prototype to end product in small or large series, and it is able to instil objects with the intangible contents of high cognitive and symbolic worth required for innovation. Tears and smart manufacturing in Morro d’Alba.

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