Envalior
Imagine the Future

Collaborative Robotics

Robotics

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Benefits

◦ Metal replacement enables lightweighting of the robot arm
◦ Move at higher safe speeds
◦ Higher productivity collaborative human–robot workcells
◦ Enable a 30–50% lower component part price compared to metal.

Details

Safer, faster and more cost–effective cobots are already transforming major industries. Cobots are manufactured on a large scale to meet businesses growing demands. Safety and efficiency are key to the commercial success of cobots, yet the inertia of metal material solutions poses safety risks to workers and limits the speed of these devices. Engineering plastics as a lightweight alternative material solution, not only decrease safety risks but also offer significant product cost, efficiency and sustainability advantages.

Products

Stanyl® TW200F6	Xytron™ G4024T	Arnite® TV4 261 HR–HS
PA46–GF30	PPS–GF40	PBT–GF30

Arnitel® EM400	UDea™ Akulon® K20HC60
TPC–ET	PA6–CF60

Speciality products

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