

Robotska celica za montažo pokrovov na oljno posodo avtomobilskega motorja

Hubert Kosler, Aljoša Zupanc, Damian Širaj, Matej Merkač, Erih Arko, Peter Arko
Yaskawa Slovenija d.o.o., Lepovče 23, 1310 Ribnica
hubert.kosler@motoman.si

Robot Cell for Assembly of Caps on Oil Pan

Robotisation of assembly processes significantly relieves the operator and minimizes the impact of human error on the quality of the products. Fully automated manufacturing process is just one of the important steps that guarantee flawless production of good parts. Accurate machines, repeatable processes, 100% inspection of good parts and recognizing the specific characteristics and requirements of each automated process are just as important. Advantages of fully automated processes, for achieving of large daily quantities of parts, have been recognized by companies that implemented robots in manufacturing processes, as well as by end customers of products from those companies.

Kratek pregled prispevka

Robotizacija montažnih procesov bistveno razbremeni operaterja in onemogoči vpliv človeškega faktorja na kakovost izdelkov. Popolnoma avtomatiziran postopek montaže za sto odstotno izdelavo dobrih kosov vključuje precizna in ponovljiva sredstva, avtomatsko kontrolo izvedenih montažnih procesov in upošteva posebnosti in zahteve ročnega posluževanja z robotsko celico. Prednosti popolne avtomatizacije za izdelavo velike dnevne količine so poznane tako uporabnikom robotskih celic, kot tudi kupcem izdelkov. Cilj razvoja robotskega sistema je bila avtomatizacija procesa montaže pokrovov na oljno posodo avtomobilskega motorja.