

Opis grupe materijala te način izrade, iz **New Industry** kataloga izrade sklopova i dijelova strojeva i opreme, po kategorijama A, B, C

A. Metal

strojna obrada metala (tokarenje, glodanje, bušenje, brušenje, poliranje, varenje)

B. Plastika

strojna obrada tehničke plastike (kao i metal), lijevanje polimerne smole i izrada polimernih laminata

C. Termoplastika

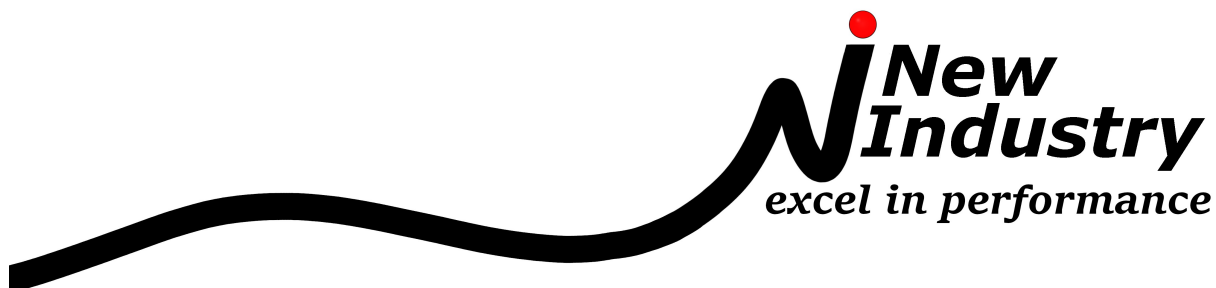
Izrada na 3D printeru, tehnologijom FUSED DEPOSITION MODELING

Opis specifičnih materijala (podgrupa), iz **New Industry** kataloga izrade sklopova i dijelova strojeva i opreme, po kategorijama 1,2,3,4,5

- (A)1 – nehrđajući čelik standardne kvalitete, standardne tvrdoće*
- (A)2 – nehrđajući čelik standardne kvalitete, visoke tvrdoće*
- (A)3 – aluminij i aluminijske legure*
- (A)4 – bakar i bakrene legure*
- (A)5 – standardni čelik i željezo*

- (B)1 – POM, PA, PVC, PS*
- (B)2 – stakleno vlakno u poliesteru*
- (B)3 – kevlarsko ili karbonsko (ili miješano) vlakno u poliesteru*
- (B)3 – stakleno vlakno (rowing) u epoxy*
- (B)4 – kevlarsko ili karbonsko (ili miješano) vlakno u epoxy*

- (C)1 – FDM 3D print u PLA ili PLA-PLUS materijalu*
- (C)2 – FDM 3D print u PA12 materijalu, isto kao i PETG*
- (C)3 – FDM 3D print u PA12/PA6 materijalu sa armaturnim česticama (staklo/karbon)*
i ostali specijalni materijali.



Description of materials and the method of production, from the New Industry catalog of production of assemblies and parts of machines and equipment, in categories A, B, C

A. Metal

metal machining (turning, milling, drilling, grinding, polishing, welding)

B. Plastics

Plastic machining of technical plastics (same as metal), casting of polymer resin and production of polymer laminates

C. Thermoplastics

Made on a 3D printer, using FUSED DEPOSITION MODELING technology

Description of specific materials (subgroups), from the New Industry catalog for the production of assemblies and parts of machines and equipment, by categories 1,2,3,4,5

(A)1 – stainless steel of standard quality, standard hardness

(A)2 – stainless steel of standard quality, high hardness

(A)3 – aluminum and aluminum alloys

(A)4 – copper and copper alloys

(A)5 – standard steel and iron

(B)1 – POM, PA, PVC, PS

(B)2 – glass fiber in polyester

(B)3 – Kevlar or carbon (or mixed) fiber in polyester

(B)3 – glass fiber (rowing) in epoxy

(B)4 – Kevlar or carbon (or mixed) fiber in epoxy

(C)1 – FDM 3D print with PLA ili PLA-PLUS material

(C)2 – FDM 3D print with PA12 materijal, also PETG

(C)3 – FDM 3D print with PA12/PA6 with reinforcing particles (glass/carbon) and other special materials