

Cemented Carbides by AM

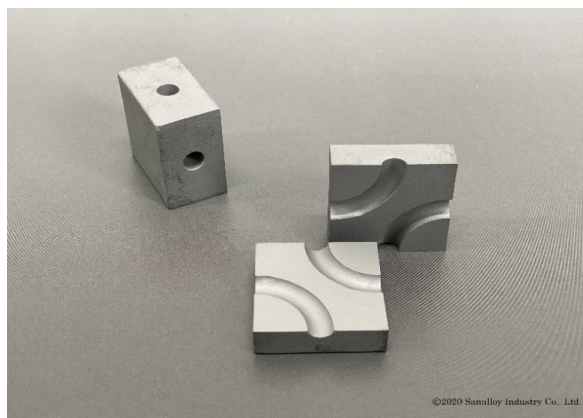
Sanalloy has been developing Additive Manufacturing (AM) Technology of 3D printer. By applying this technology, it is possible to process hollow structure or three-dimensional complicated shape which were difficult to achieve by a conventional forming technique in a process of production.

Complicated-shaped Cemented Carbides



These cemented carbides are complicated-shaped such as a flower which has several overlapping petals or QR code which has fine irregularities.

Piping Parts



Two blocks on the right side is the cross sections of a left block. The hole has curved internal structures.

Corresponding Grades

Grades	Specific Gravity	Hardness (HRA)	Transverse Rupture Strength (GPa)	Fracture Toughness (MPa·m ^{1/2})
REA65	13.90	87.0	3.4	21
REA75	13.40	85.5	3.2	25
REA85	13.00	83.5	3.0	28
RV66	13.95	86.0	2.8	25
RV76	13.55	84.5	2.7	27
RV86	13.25	83.5	2.7	28
RL89	13.50	83.0	2.5	30

- ※All data shown are typical values, not guaranteed values.
- ※We will not compensate any loss and damage caused by using all data.
- ※We reserve the right to modify the data due to technical progress.
- ※The corresponding grades will be frequently updated.

Corresponding Size

Less than 35mm×35mm×90mm

※Please feel free to contact our sales for further information.

Sanalloy Industry Co., Ltd.

We also provide many other grades to meet your needs.
For further information, please access our website.

URL <https://www.sanalloy.co.jp>