Spiral Toothed (upcut spiral)

Solid Carbide
– Spiral toothed
– Fishtail
– Upcut-spiral
(– (Shank): 3,175mm (1/8″

Characteristics

Industrial Quality –
– Problem-free chip evacuation through spirals
– Low wear
– Clean surfaces
– Very good cost-performance ratio

Applications

Glass fibre –
– Carbon fibre
– Wood
– Printed circuit boards

Available as ø1mm, ø2mm and ø3mm

(Flute Fish (upcut spiral-2

Technical Specifications

Solid Carbide –
– Double-Flute
– Fishtail Bottom
– Upcut-spiral
(– (Shank): 3,175mm (1/8″

Characteristics

Industrial Quality –
– Through Fishtail Bottom easy dive into material
– Low wear
– Clean surfaces

Applications

universally applicable –
– Aluminium
– Plastics
– Wood

Available as ø1mm, ø2mm, ø3mm

3D Print Head PH-40

With the 3D Print Head PH-40 you can create high quality 3D models layer by layer. The variable temperature control makes it possible to use all filaments with a processing temperature of 150 to 265°C and a diameter of 1.75 mm. Additionally, the PH-40 contains numerous useful features, e. g. the quick release for the filament change, the automatic shutdown of the hot-end and the heating or the integrated .active cooling of the hot-end, making 3D printing even more comfortable and safe

In order to start 3D printing, please export an STL-file from your CAD program or select one of the many templates you will find in the internet. Afterwards, this file needs to prepared for the STEPCRAFT CNC System in a slicing software like CURA. This is also where the most significant 3D print parameters, such as layer thickness, nozzle diameter and infill, are defined. You will find a download file with the most important parameters for CURA here. The created work file can be processed by the control software .WinPC-NC, UCCNC or others

The control software WinPC-NC Starter does not support the operation of the 3D Print Head. Either an .upgrade to the USB full version or the control software UCCNC is required

:(Technical Specification (Control Unit

- (Temperature control between 150 to 265°C (equals 300 to 500 degree Fahrenheit
- Integrated system control to handle print temperature and temperature of the heating bed
- Continuous speed control of the optional workpiece fan
- Automatic shutdown of hot-end and heating bed when printing is finished
- row LC-Display-2
- (Language setting (German, English, French, Spanish
- (Sub-D plug to connect control box to STEPCRAFT CNC System (Plug-and-Play-15

- External power supply with 30 V 120 W
- Integration on other CNC routers possible due to documented interface (see operating (instruction
- Dimension: L 200 mm x W 165 mm x H 64 mm

:(Technical specification (Printing Head

- Possible diameter of filament: 1.75 mm
- Filament material can be any material with a processing temperature between 150 to 265°C ((equals 300 to 500 degree Fahrenheit
- (Nozzle diameter 0.4 mm, optional nozzle diameters available (0.3, 0.5, 0.7 and 1.0 mm
- Integrated active cooling for the hot-end
- Continuously adjustable pressure on the pinch roller for the feed of filament
- Quick release for the filament exchange
- Integrated connector socket for optional workpiece fan
- mm mounting collar 43
- (Watts heating cartridge (hot-end 40
- Length of flexible hose connection: 0.8 m
- Easy change of printing nozzle
- Dimension: L 80 mm x W 55 mm x H 110 mm

وحدة الطابعة ثلاثية الأبعاد سهلة الاستخدام كما يمكن وضع المواد الخام بداخل الأداة التي تقوم بمهام الطباعة ثلاثية الأبعاد حيث يمكن تصميم النماذج المختلفة باستخدام هذه القطعة

Automatic Tool Changer for STEPCRAFT MM-1000 / KRESS / AMB

With the Automatic Tool Changer for Kress spindles type 530 FM, 800 FME, 800 FME-Q and 1050 FME-1 a time consuming manual exchange of tools is no longer required. After once defining the parameters in the machine control software, the magazin is approached automatically. With the use of compressed air, a tool is returned or a new one coleected. The supplied magazine can hold up to six tools and is optionally extendable for up to twelve

The Tool Changer for Kress can be operated alone or together qith the Switch-Box

Tool holder with appropriate ER11 collets have to be purchased separately

Technical Specifications

- SK 15 tool holders for ER11 collets from 1 to 8 mm
- Double ball bearing

Active sealing air •
Suitable for speeds up to 30.000 UpM •
Operating pressure: 8 bar •

- Shaft diameter: 43 mm •
- Diameter: 56 mm •
- Length (without tool holder): 100 mm •
- Weight: 585 g •

يمكن اضافة التعليمات في برنامج التحكم في الماكينة، يتم تقريبا ماغازين تلقائيا. مع استخدام الهواء المضغوط، يتم إرجاعه للأداة.

أداة مبدل يمكن تشغيلها وحدها أو مع مجموعة التبديل مربع

حامل أداة مع ER11 مجموعة مناسبة يجب شراؤها بشكل منفصل

(End Mill 2-flute fish (upcut 6 mm pole

End Mill 2-flute fish (upcut) 6 mm pole

Applications :

Universal usability for all Materials
Wood –
Aluminum –
Non-ferrous metals –
– Only partially usable for high strength metals

Available as ø6mm

اداة تستخدم للحفر بمساحة 3,175 مم يمكن استخدامها مع جميع المواد مثل الخشب والالومونيوم كما تتوفر بمساحة 6مم

(End Mill 2-flute fish (upcut

Characteristics:
Industrial Quality
Through Fishtail Bottom easy dive into material
Low wear
Clean surfaces

Applications:
universally applicable

Aluminium
Plastics
Wood

Technical Specifications:
Solid Carbide-End Mill Available as ø1mm, ø2mm, ø3mm
Double-Flute
Fishtail Bottom
Upcut-spiral
((Shank): 3,175mm (1/8″

End Mill Diamond

Product name : End Mill Diamond

Solid Carbide –
– Diamond toothed
– Fishtail
(– (Shank): 3,175mm (1/8″

Characteristics

Industrial Quality –
– Low wear
– Clean surfaces
– Very good cost-performance ratio

Applications

Glass fibre –
– Carbon fibre
– Wood
– Printed circuit boards

Available as ø1mm, ø2mm and ø3mm

End Mill Radius Mill ECO

Technical Specifications

Solid Carbide-Radius Mill
Center Cut (Diving possible)
((Shank): 3,00mm (1/8″

Applications

universally applicable for all Materials
Wood
Aluminum
Non-ferrous metals
Only partially usable for high strength metals
Available as ø1mm, ø2mm and ø3mm

End Mill Single Flute

Characteristics:
Industrial Quality
Problem-free chip evacuation
Low wear
Clean surfaces

Applications:
High quality contours
As only one Flute, much space for chip evacuation
Very good for softmaterials
Soft plastics
PE, Teflon, Plexiglass, Styrodur
Soft Aluminium

Available as ø1mm, ø2mm and ø3mm

Technical Specifications:
Solid Carbide-End
Single-Flute
Flat Bottom
Upcut-spiral

((Shank): 3,175mm (1/8″

(End Mill Spiral Toothed (downcut spiral

Solid Carbide-End Mill
Spiral toothed
Fishtail
Downcut-spiral
((Shank): 3,175mm (1/8″

Characteristics

Industrial Quality
Problem-free chip evacuation through spirals
Low wear
Clean surfaces
Very good cost-performance ratio

Applications

Glass fibre
Carbon fibre
Wood
Printed circuit boards

Available as ø1mm, ø2mm and ø3mm

(End Mill Spiral Toothed (upcut spiral

Solid Carbide
Spiral toothed
Fishtail
Upcut-spiral
((Shank): 3,175mm (1/8″

Characteristics

Industrial Quality

Problem-free chip evacuation through spirals
Low wear
Clean surfaces
Very good cost-performance ratio

Applications

Glass fibre
Carbon fibre
Wood
Printed circuit boards

Available as ø1mm, ø2mm and ø3mm

ER11 Collet for HF-Spindle

Collets for STEPCRAFT HF-spindle 350 / 500 W with diameters from 1 mm to 8 mm

يمكن وضعها مع محور الدوران HF Spindle 500