

## PRODUCT DATASHEET

# PARTBOX – Click and Print

The world's first PART STREAMING PLATFORM



**PARTBOX offers you the fastest possible availability of parts through 3D printing on demand.**

You don't need any previous knowledge of 3D printing – **just click** on the desired part in your digital Warehouse **and it will be produced** on the selected Partbox-Printer in your network.

**The days when parts still had to be physically stored are over.** By streaming parts, components are transported to the place where they are needed in the most sustainable way – by data transfer.

With the help of the Partbox, this data can be "converted" into **quality technical components** in a reproducible manner and with the **highest reliability**.

We know that the **safety of intellectual property** has the highest priority. That's why we guarantee reliable protection of your digital warehouse and secure data transfer using our end-to-end solution.

1



No purchase,  
no rental,  
no leasing  
**PAY PER  
HOUR only**

2



**ONE PRICE –  
ALL INCLUSIVE**  
Partbox,  
material, OS,  
maintenance &  
service

3



**Select Partbox,  
BOOK print  
package**  
& have first print  
jobs created  
with the help of  
our service

4



**WORLDWIDE  
ACCESS**  
to all Partboxes  
in your network.  
Print it where  
you need it!

5



**LET'S PRINT!**  
and always  
count on a  
perfect print  
result!

6



Re-order  
packages  
or buy them  
directly via the  
**PARTBOX  
SHOP.**

Visit our website: [www.partbox.io](http://www.partbox.io)  
E-Mail: [print@schubert-additive-solutions.de](mailto:print@schubert-additive-solutions.de)  
Tel.: +49 7951 4727 – 0  
Social Media:   

Goldbacher Straße 81  
74564 Crailsheim  
© 2022 Schubert Additive Solutions GmbH

# The 360° platform for distributed manufacturing



## PARTBOX PRINTER

Highest quality for highest, technical demands

- ✿ Building space: 240 x 180 x 145 mm
- ✿ Aluminum frame
- ✿ Closed building space
- ✿ Ball screw spindles
- ✿ Accuracy + -0.1 mm
- ✿ Thread printable from M3
- ✿ Plug and Play
- ✿ Food-compliant design
- ✿ 100% Made in Germany
- ✿ Design by [ottenwaelder.de](http://ottenwaelder.de)



## PARTBOX OS

The Operating System for your Partbox Network

- ✿ See the operating status of all your Partboxes
- ✿ Upload your own Print Jobs and store them digitally
- ✿ Start Print Jobs from all over the world
- ✿ Store Printing Licences from OEM and execute them on a Partbox in your Network
- ✿ Create Print licences from your own parts
- ✿ Start your own business with a digital warehouse



## PARTBOX Material

Partbox Black -

Technical material for technical requirements

- ✿ Material with PA6 characteristics
- ✿ Injection molding quality
- ✿ Food compliant
- ✿ Tensile strength 78MPa
- ✿ Dimensional stability up to 90 ° C
- ✿ Metal detectable



## DIGITAL SERVICES

Your personal assistance for 3D-Printing  
From the idea to the finished part

- ✿ Manufacture custom 3D printed parts on demand without 3D printing knowledge
- ✿ Accompaniment by Partbox 3D printing experts - from 3D model to finished part in your hands
- ✿ Creation of print jobs and start of print jobs on a Partbox in your own Partbox network
- ✿ Re-engineering can be booked on request



## PARTBOX PRINTER

### Printer and printing properties

Model	R3.02
Technology	Fused filament fabrication (FFF)
Print head	direct extrusion print head
Building space	240 x 180 x 145 mm
Layer resolution	0,15 mm
Build speed	50 mm/s
Build plate	heated build plate, removable spring steel sheet
Nozzle diameter	0,4 mm
Power supply	230 Volt AC, 50 Hz
Connectivity	PARTBOX OS

### Physical dimensions

Dimensions	448,5 mm x 434 mm x 439 mm
Net weight	28,3 kg

### Software

Supplied software	PARTBOX OS
Supported OS	any internet devices

### Setup

Setup conditions	indoor use only
Maximum humidity of the working environment	80 %
Temperature range of the working environment	10°C–28°C