

# CR-10S Pro Reference data

## Machine settings

Machine settings ✕

Cr-10S Pro

<b>Machine settings</b>		<b>Printer head size</b>	
E-Steps per 1mm filament	0	Head size towards X min (mm)	0.0
Maximum width (mm)	310	Head size towards Y min (mm)	0.0
Maximum depth (mm)	310	Head size towards X max (mm)	0.0
Maximum height (mm)	405	Head size towards Y max (mm)	0.0
Extruder count	1	Printer gantry height (mm)	0.0
Heated bed	<input checked="" type="checkbox"/>	<b>Communication settings</b>	
Machine center 0,0	<input type="checkbox"/>	Serial port	AUTO
Build area shape	Square	Baudrate	AUTO
GCode Flavor	RepRap (Marlin/Sprinter)		

Ok

Add new machine

Remove machine

Change machine name

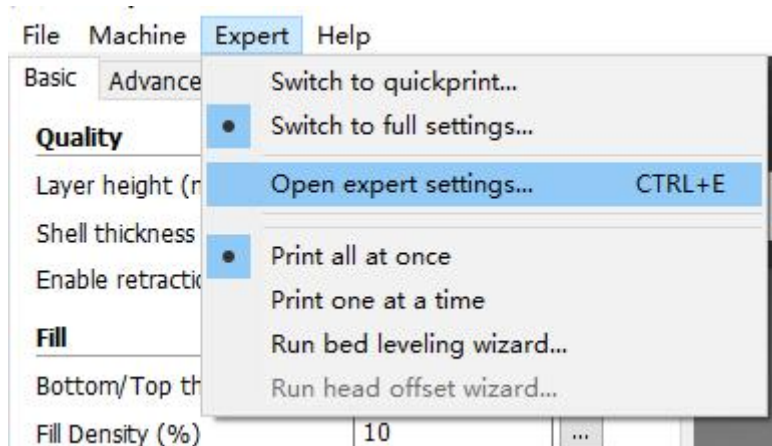
## Basic & Advanced

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

<b>Quality</b>		<b>Retraction</b>	
Layer height (mm)	0.2	Speed (mm/s)	60
Shell thickness (mm)	1.2	Distance (mm)	6.0
Enable retraction	<input checked="" type="checkbox"/>	Dual extrusion switch amount (mm)	100
<b>Fill</b>		<b>Quality</b>	
Bottom/Top thickness (mm)	1.2	Initial layer thickness (mm)	0.2
Fill Density (%)	15	Initial layer line width (%)	100
<b>Speed and Temperature</b>		Cut off object bottom (mm)	0.0
Print speed (mm/s)	50	Dual extrusion overlap (mm)	0.15
Printing temperature (C)	200	<b>Speed</b>	
2nd nozzle temperature (C)	200	Travel speed (mm/s)	60
Bed temperature (C)	60	Bottom layer speed (mm/s)	20
<b>Support</b>		Infill speed (mm/s)	0.0
Support type	None	Top/bottom speed (mm/s)	0.0
Platform adhesion type	None	Outer shell speed (mm/s)	35
Support dual extrusion	Both	Inner shell speed (mm/s)	35
<b>Dual extrusion</b>		<b>Cool</b>	
Wipe & prime tower	<input checked="" type="checkbox"/>	Minimal layer time (sec)	5
Ooze shield	<input type="checkbox"/>	Enable cooling fan	<input checked="" type="checkbox"/>
<b>Filament</b>			
Diameter (mm)	1.75		
Diameter2 (mm)	1.75		
Flow (%)	100		
<b>Machine</b>			
Nozzle size (mm)	0.4		

## Open expert settings



Expert config

**Retraction**

Minimum travel (mm)

Enable combing

All

Minimal extrusion before retracting (mm)

Z hop when retracting (mm)

**Skirt**

Line count

Start distance (mm)

Minimal length (mm)

**Cool**

Fan full on at height (mm)

Fan speed min (%)

Fan speed max (%)

Minimum speed (mm/s)

Cool head lift☐

**Infill**

Solid infill top☒

Solid infill bottom☒

Infill overlap (%)

Infill prints after perimeters☐

**Support**

Structure type

Lines

Overhang angle for support (deg)

Fill amount (%)

Distance X/Y (mm)

Distance Z (mm)

**Black Magic**

Spiralize the outer contour☐

Only follow mesh surface☐

**Brim**

Brim line amount

**Raft**

Extra margin (mm)

Line spacing (mm)

Base thickness (mm)

Base line width (mm)

Interface thickness (mm)

Interface line width (mm)

Airgap

First Layer Airgap

Surface layers

Surface layer thickness (mm)

Surface layer line width (mm)

**Fix horrible**

Combine everything (Type-A)☒

Combine everything (Type-B)☐

Keep open faces☐

Extensive stitching☐

Ok