

Filament Printers	<---- higher is better ---->																Third P A			
Name	Min. Gap (mm)	Accu- racy (mm)	Back- lash (mm)	Price	Open SW	HW	Build Volume (mm³)			Bridg- ing	Over- hangs	Fea- tures	Fine Surface		XY Res- onance	Z Res- onance	Leveling	Fila- ment	A	B
							X	Y	Z				Gen- ved	eral						
DeltaMaker	.2	.0 - .1	.0 - .1	\$2400	-	N	240	hex	260	5	1	1	4	5	Fail	Pass	Auto	Y	Y	N
Ultimaker 2	.2	.2 - .3	.0 - .1	\$2500	Y	Y	230	225	205	4	3	5	5	5	Pass	Pass	Guided	Y	Y	Y
Replicator 5th Gen	.2	.2 - .3	.0 - .1	\$2900	N	N	252	199	150	4	5	2	5	3	Fail	Pass	Assisted	N	Y	N
Printrbot Simple Metal	.3	.0 - .1	.0 - .1	\$ 600	-	Y	150	150	150	5	5	3	2	4	Fail	Pass	Auto	Y	Y	Y
Zortrax M200	.3	.1 - .2	.0 - .1	\$2000	N	N	200	200	185	1	4	5	5	5	Fail	Fail	Auto	N	N	Y
Bukobot 8 v2 Duo	.3	.1 - .2	.1 - .2	\$1500	-	Y	200	200	200	5	3	3	2	1	Fail	Pass	Manual	Y	Y	Y
Ditto Pro	.3	.1 - .2	.1 - .2	\$1900	N	N	220	165	220	2	5	4	4	3	Fail	Pass	Guided	Y	Y	N
Afinia H480	.3	.1 - .2	.2 - .3	\$1300	N	N	140	140	135	1	3	2	5	4	Pass	Pass	Auto	N	Y	Y
Print-Rite CoLiDo	.3	.3 - .4	.0 - .1	\$ 800	-	N	225	145	150	3	5	2	3	2	Pass	Fail	Guided	Y	Y	Y
TAZ 4	.4	.0 - .1	.0 - .1	\$2200	-	Y	298	275	250	5	4	5	3	3	Fail	Pass	Manual	Y	Y	Y
Type A 2014 Series 1	.4	.0 - .1	.0 - .1	\$2750	Y	Y	305	305	305	3	2	4	3	2	Fail	Pass	Manual	Y	Y	N
Airwolf HDx	.4	.1 - .2	.0 - .1	\$3500	-	N	300	200	300	1	2	4	2	3	Pass	Pass	Manual	Y	Y	Y
Airwolf HD	.4	.2 - .3	.0 - .1	\$3000	-	N	300	200	300	2	2	3	1	1	Pass	Pass	Manual	Y	Y	Y
Ultimaker Original+	.4	.2 - .3	.1 - .2	\$1600	Y	Y	210	210	205	4	5	2	5	4	Fail	Fail	Guided	Y	Y	Y
Felix 3.0	.4	.3 - .4	.0 - .1	\$2000	-	N	255	205	235	1	2	5	4	4	Fail	Fail	Manual	Y	Y	Y
Dremel Idea Builder	.5	.0 - .1	.1 - .2	\$1000	N	N	230	150	140	4	4	3	2	3	Fail	Pass	Guided	N	Y	N
BeeTheFirst	.5	.1 - .2	.0 - .1	\$2200	Y	N	190	135	125	4	4	2	4	4	Fail	Pass	Guided	N	Y	N
Bukito v2	.5	.1 - .2	.1 - .2	\$ 900	-	Y	140	150	125	2	2	3	2	1	Pass	Pass	Manual	Y	Y	N
DeeGreen	.5	.1 - .2	.2 - .3	\$2000	N	N	150	150	150	3	1	2	2	1	Pass	Pass	Auto	Y	Y	N
da Vinci 1.0	.6	.3 - .4	> .4	\$ 500	N	N	200	200	200	2	3	4	3	3	Pass	Fail	Assisted	N	N	Y
SeeMeCNC Orion	.6	> .4	.2 - .3	\$1200	-	Y	150 diam	230	230	2	4	2	3	1	Pass	Pass	Manual	Y	Y	Y
PowerSpec 3D Pro	> .6	.2 - .3	.0 - .1	\$1000	-	N	226	144	149	1	1	3	2	2	Fail	Pass	Manual	Y	Y	Y
Airwolf HD2x	> .6	> .4	.0 - .1	\$4000	-	N	280	200	300	1	2	4	1	1	Pass	Pass	Manual	Y	Y	Y

Notes:

1. A dash in the Open SW column means the printer uses third party software.
2. Auto leveling means the printer measures the bed tilt and compensates for it by adjusting coordinates while printing.
3. Assisted leveling means the printer measures the bed tilt and tells the user how to turn knobs to level the bed.
4. Guided leveling means the printer steps the user through the leveling process using a piece of paper to measure the nozzle height.
5. The Third Party Filament column indicates whether the printer manufacturer says filament from other suppliers can be used.
6. Printrbot Simple Metal needs a heated bed option to print ABS, which makes the total price \$750.
7. This spreadsheet is CC0 (public domain) so feel free to modify and redistribute it.