Ma a | Form 3B+

formlabs

1. ... fa

C... g a_ai, ... scha... i g he F... 3B+. O... behaf... f he F... ab... ea..., ... e ha... ...f..., ... scha... e. The i... _ci..., i ... h... ... a _a ..., ide i f... ai..., f... ... ied e..., ... _de... a... ... afe... e... a dis... a ai..., ... ea..., ... a d... ai... e a ce... f he F... 3B+ 3D ... i... e. The... e i... _ci..., a e i... e ded f... a..., ... e h... i... ai g..., ... eai g, ... ai aii g... ... ... he ... e i... ea ... i g i ... he F... 3B+. S... e... ... e... ... g... i e... ... eie ced ... e... ... e... ... ee..., abe a d ... afe... ... e ai...

1.1 ... a... a... ... a... l

Read a d... de... a d h... a _a a d h... a... afe i...< _ci..., bef... e... i g he F... 3B+. Fai... e... ..., d... ... ca... ... ... i ei..., i ... ... dea h. Kee... a ... afe... i f... ai... a dis... _ci..., f... f... e... e fe... e ce a d ... ... ide he... ... a... be... e... e... ... e... ... f he ... ... d... c...

F..., ... a he i...< _ci... Th... i a..., id ...< e... e... ... ... i..., e e... i... h... c... ... ... he ha a d... ha... a ... e... i da age... ... ... e... a d/... e... e... e... fa a i ... i... e.

The F... 3B+ ha... ... be... e d b... ... e... ... ... h..., ha... e f... ... ead a d... de... a d he c... e... ... f h... ... age... a... ... a.... E... e he ha each ... e... ... h... ... e he F... 3B+ ha... ead he... e... ... ai g... a dis... _ci..., a d f... ... ... he ... Fi..., ab... ... ..., iab e f... c... a e... f a e... ia d a age... f... ... e... ... ai... ... ca... ed b... i c... ec ha di g..., ... -c... ... ia ce i h he ... afe i...< _ci...

I... ... ch ca... e..., he ... a... a... i be... ... ided.

1.2 ... a... ... D... ... a... a... l f ... a...

V... i... ... _... f... f... ab... .c... ... :

acce... he a e... e... i... ... fa F... ab... ... d... c d... c... e ai...

c... ac F... ab... ... e... e... ed... c... e ai..., ... age i...< _ci..., a d ech ica i f... ai...

... b... i a... c... e... ... f... feedbac... ega di g... ha... g... d a d... ha ca be i... ... ... ed.

F... ab... ... a... ... c... ... e... f... ... ... e...

... e ... e... addi i... a ... ai... i g.

1.2.1 S... ... a... S...

Re ai... a... ec... d... f he... i... ... ... scha... e... e... e... ... a a... ... e... ice...s. Se... vice... i... ... de... ed ... he... a... ... f he... e ci... c... i e... ... ... a... a... l c... de he... e... ia... a e... f he ... ... d... c... he c... ac i g F... ab... f... ... ... d... c... ... ...

I... ead... fa... e... ia... ... be... a F... ab... ... achi... e... ha... ea... ... e... ia... a e..., hich... ha... ... i... ... ei de i e... ... ... ac he h... ... f a... _fac... i... g... a... e..., a d... e ai..., a d... d... i g... h... age... he c... ... ec ed... ... a... e... ... The... e... ia... a e... ... ... he bac... ... a... e... f he ... achi... ei h... f... a: Ad... ec... ie... A i a.

Se... vice ... ... vide... f F... ab... ... ... d... c... a... ..., ... vide... ... ... a d... he... vice. T... he e... e... ... ha F... ab... ... a ce... i e d... he... vice ... ... vide... ... e... ... he... ... e... ed ed... a... a... i e..., he e... e... ... f he... ... e... a a e... ... e... ... a... a... ... ... F... ab... ... d... c... ... ... scha... ed f... ... ... ce... i ed... e... vice ... ... vide... c... ... ac he... i... i a... ... e... vice ... ... vide... f... ... ... a ... ce bef... e c... ... ac i g F... ab...

F... a... ... ... e... vice... e... e... ... e... ... ... i c... di g... ... ... d... c i... f... ai..., ech ica ... ... a... ce..., f...

... ... a... ce i h i...< _ci..., c... ... ac F... ab... Se... vice... f... a ce... i ed... e... vice ... ... vide... :

USA	**Germany**
F... ab..., I... c.	F... ab... G... bH
35 Medf... d S... .	Na... e... ... ... e 18
S... ... e... i... e, MA, USA, 02143	12459 Be... i..., Ge... ... a

1.2.2

This ... document ... Read the ... :

S   f   a . .   /   /   - f-   /#
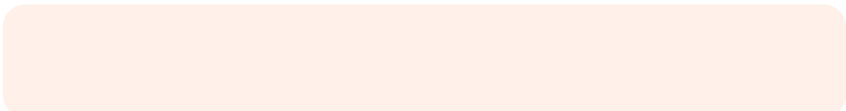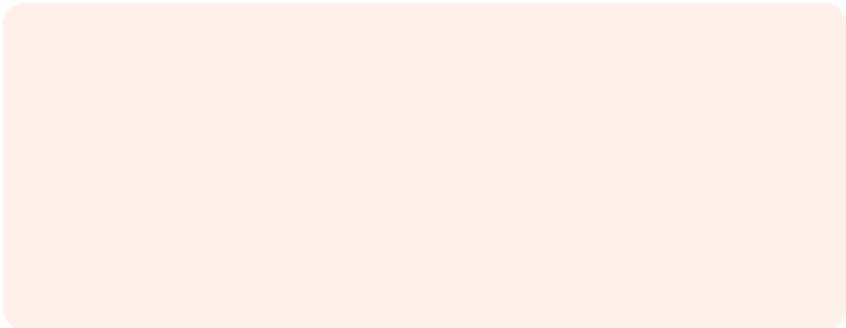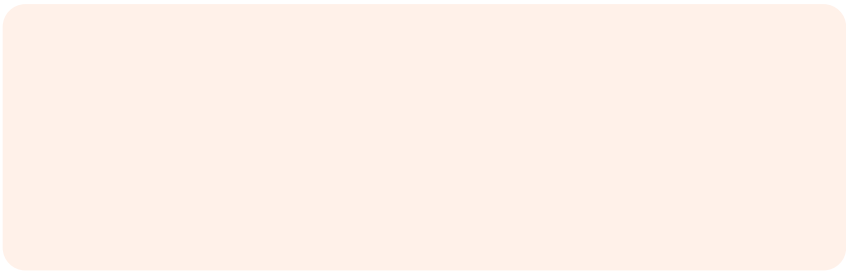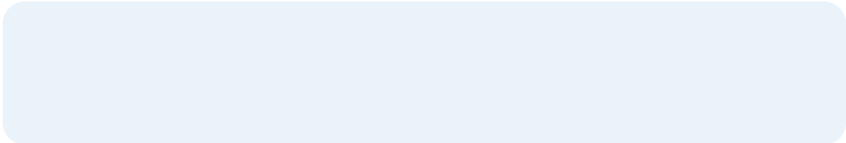
E   (EN)   f   a . .   /   /   - f-   / /

E   (DE)   f   a . .   /   /   - f-   / /

E   (FR)   f   a . .   /f /   /   - f-   / /

2.

2.1

The F... 3B+... a c... ecia, ...ecti... i... ie ded f... ei he additi e a ...fac e ...fe d-...es ...ied de ig ... f... h... ...ecti . The a e f... a ce cha ac e ti ...f c ed h... ...ecti a a acc... di g ...

	+	- / -	+	+
	57, 51, 69 cm (22.5, 20, 27 in)	24, 20, 8 cm (9.5, 8, 3 in)	35, 30, 8 cm (14, 11.8, 3.3 in)	18, 17, 8 cm (7, 6.75, 3 in)
	22.7 kg (50 lb)	1.5 kg (3.3 lb)	1.4 kg (3.1 lb)	0.67 kg (1.5 lb)
	17.5 kg (38.6 lb)	1.35-1.6 kg (3-3.5 lb)	0.8 kg (1.8 lb)	0.65 kg (1.4 lb)

	Light Force Sensing Technology (LFS)
	Width: 40 cm (15.5 in) Depth: 53 cm (21 in) Height: 78 cm (30.5 in)
	17.2 kg (37.9 lb)
	Auto-heated, 35 C (95 F)
	Air heated in chamber
	100-240 V 2.5 A 50/60 Hz 220 W
	1 Light Processing Unit EN 60825-1:2014 certified Class 1 Laser Product 405 ... wi e a e 250 W a e
	85 micron (0.0033 in)
	The F... 3B+ a Class 1 Laser ...duc. Accessible radiation ... within Class 1 limits.
	Wi-Fi, Ethernet, and USB
	RJ-45 Ethernet (10BASE-T/100BASE-TX/1000BASE-T) LAN P... Connection Ethernet cable (not included): ... Cat 5, Cat 5e, Cat 6 ... 1000BASE-T.
	Range: IEEE 802.11 b/g/ Frequency: 2.4 GHz, 5 GHz Supported security: WPA/WPA2
	Does not exceed 70 dB(A).
	Interactive touchscreen
	Auto... ated
	145, 145, 185 5.7, 5.7, 7.3 in
	Auto-Generated Re... able

2.3   E

2.4

3. S af

Read and understand this manual and its safety instructions before using the Form 3B+. Failure to do so can result in serious injury or death.

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

4. ▮▮ a a▮ a▮ S

4.1 A a▮ ▮ a

Ch▮▮e a▮ ab▮e, e▮e ▮▮ ace ▮ i▮ a a d▮ ▮e a▮e he F▮▮ 3B+. Ch▮▮e a ▮ca▮i▮ ▮e a a e▮▮ a ▮ achi▮e ▮▮ ▮▮i g ha▮ge e a▮ d▮ ▮▮ a▮▮_ch a▮ ▮▮ d▮ ▮e a ▮ ▮i ge_i▮e. R▮e▮e he f▮▮i g ▮i▮i_ di▮e▮▮ f▮ he ▮ c▮▮ ▮ie acce▮▮:

W▮ : 40 c (15.5 i)   **D▮** : 53 c (21 i)   **H▮** : 78 c (30.5 i)

A▮ addi▮i▮ a▮ ace f▮ acce▮▮ ▮i▮e▮▮_ch a▮ he F▮▮ 3B+ Fi▮h Ki, F▮▮ Wa▮h, a d F▮▮ C▮▮e.

4.2 ▮ ▮ F▮ 3B+

D▮ i g_ b▮▮ig▮ i▮ ec he F▮▮ 3B+ f▮ a da▮age▮. ▮▮i g i e▮. I he ca▮e ▮f da▮age ▮ ▮▮i g i e▮, c▮ ac F▮▮ al▮ ▮ he ce▮ied ▮e▮ice ▮▮▮ide.

▮ F▮ 3B+:

1. O▮e▮ he b▮▮ f▮ he ▮▮ he ▮▮. If he b▮▮ ha▮ a▮ ide ga▮e, f▮ d d▮▮ he▮ ide ▮f he b▮▮.
2. U▮e he ▮▮▮ided ha d▮e▮ ▮▮ if he ▮▮i▮e, i▮ ▮ ca▮ ie ▮ a ▮▮▮_ ▮f he b▮▮.
3. Re▮▮e he ▮▮i▮e f▮▮ he ca▮ ie ▮ a▮ a c▮e he ▮▮i▮e i▮ ▮▮▮ ace.
4. Re▮▮e a▮ addi▮i▮ a ▮ a▮ i g a d ▮ac▮agi g f▮▮ ▮he ▮ ▮ide ▮f he ▮▮i▮e.

> Remove all packaging material and release the Light Processing Unit (LPU) housing before connecting power.

▮ a▮ L▮▮ ▮ f ▮ ▮ ▮ ▮ ▮▮ :

1. O▮e▮ he ▮▮i▮e c▮▮e.
2. Read a d▮ e-1.24 -1 ,(B▮F-1.24 -1 ,(B▮)T 2K4 Tf0 Tc 0 -1.437 Td(1.)T /S a ▮Ac _a Te▮ ▮EFF0009 ▮ a1▮ ▮
2.

is required for warranty service.

4.3 I a F 3B+

4.3.1 C Ca

C ec he e cabe he i e a d he e .
Fi ca be aded via USB, Wi-Fi, E he e . F USB, c ec he i e a ea b
c e . F E he e , c ec he i e a E he e .

4.3.2 L

> **NOTICE**
>
> It is important that the printer sits level so resin does not overflow from the tank during printing. All four feet must rest on a solid surface to ensure optimal print accuracy.

The F 3B+ be c e e e e bef e i i g ca begi . If ed, e he e ei g
d c a e e each f f i e.

F 3B+:

1. C ec he i e , e . If ecea a , he ch ee e, e,f he e ei g d c.
   a. The i i ia i e e e e ce i c de he e ei g ced e.
2. F he ee i ci , ad he fee de he i e.
3. I e he d e ei g d c de he de ig a ed c e. P h i he e ei g d c c ic , he f .
4. R a e he c c e ea ea d c e c e e he heigh f he i e.
   a. The i e hi i h each f f e ac ed. The heigh f he fee ca be a ed

d i g he i i ia i e e .

5. Ad he fee i he ch ee i dica he i e e e e.

4.3.3 I a a M

> **CAUTION**
>
> Spill hazard. Resin may spill over the tank walls if the resin tank tilts more than 5-10°. Hold the resin tank level with two hands. To inspect and clean the underside of the tank, empty the resin tank and/or take care to avoid spilling resin outside the tank.

> **WARNING**
>
> Resin may cause skin irritation or an allergic skin reaction. Wear gloves when handling

a a :

1. O e he s i e c,, e.
2. Re ,, e he id , f he a c e.
3. Re ,, e ac agi g a e ia f,, he a .
4. Lif he i a i h, e ha d, each ide.

5. A ig he i a ide a i h he ef
a igh a c ie a .
6. P h he ide ha d - [Ac a TT 1.24 0 Td(A ig he)T (i a ide a i h a d Td(A ig he)T

Connectors and Cables

4.4.1 Connect a USB Cable

Use the included USB cable for a fast, reliable connection to the device.

1. Plug one end of the USB cable into the back of the Form 3B+.
2. Connect the other end to a computer's USB port.

4.4.2 Connect an Ethernet Cable

The rear of the printer is fitted with a RJ-45 Ethernet (10BASE-T/100BASE-TX/1000BASE-T) LAN Port. Connect a LAN with an Ethernet cable (not included): minimum Cat 5, or Cat 5e or Cat 6 for 1000BASE-T.

1. Plug one end of the Ethernet cable into the back of the Form 3B+.
2. Connect the other end to your LAN.

4.4.3 Connect to Wi-Fi

The Form 3B+ has built-in Wi-Fi (IEEE 802.11 b/g/n) and supports WPA/WPA2 security. Use the Form 3B+'s touchscreen to configure a network and connect to Wi-Fi.

When connected to an active Ethernet connection or an available Wi-Fi network, the Form 3B+ can be configured with a static IP address.

To connect with Wi-Fi signal and a IP configuration:

1. With an established Ethernet or available Wi-Fi connection, open the touchscreen's Settings menu on the touchscreen.
   a. For a Wi-Fi connection, tap Wi-Fi, then tap the desired wireless network.
   b. For an Ethernet connection, tap the Ethernet of the Settings menu.
2. Toggle the Manual IP setting to ON.
3. Input the appropriate IP Address, Subnet Mask, Default Gateway, and Name Server.

4.5 Package a Form 3B+

Refer to the Technical Specifications for size and weight and dimensions. Keep the packaging for transportation and shipping. The shipped components and packaging include, for:

1 outer carton, cardboard, and	1 outer insert, foam
1 inner carton, cardboard, and	1 foam insert, foam
1 box, inner insert, foam	

> ⓘ **NOTICE**
> Do not ship with resin inside the printer. Resin left inside the Form 3B+ can damage the printer in transit, which may lead to additional fees or void the warranty.

Package a Form 3B+:

1. Always remove the build platform, resin tank, and cartridge before moving or packaging the Form 3B+ inside.
2. Wipe residual resin from the build platform and clean the platform as airtight.
3. Store the resin tank in the tank case.
4. Store the cartridge in where the resin capped and the valve cover is sealed.

> ⓘ **NOTICE**
> When shipping a printer to Formlabs for service, the build platform, resin tank, power and USB cables, and other accessories should not be shipped and will not be returned after service. The printer's original packaging is required for warranty service. Contact

other certified service providers for unique guidance on shipping requirements.

1. If the ... ...
2. T... ec... the LPU h... ... f... shi... i...:
   a. Ta... the ... chic, ... the ... ch... ee... the Se... ... e ... Fi... d... d... ec... the shi... ... ... the ... ... f... shi... ... .
   b. D... c, ... ec... the ... ... cab...
   c. O... the c, ... a... d... ca... the shi... i... a ch... ... i... ... the ef... ide... f... LPU h... ... i... . The LPU h... ... i... i... the LPU ga... age, ... the ... igh... ide... f... the ... ...
   d. A... ig... the ... ... i... the ... ach i... the ... ... e... h... ... i... the ide... f... the LPU h... ... i... . The... h... ide... f... the ... ach... h... d... be... ... ed... a... f... the... f... the ... ... e... a... d... i... ... a... f... the LPU h... ... i... .
   e. L... ... e... h... ead... the ... h... b... ... e... h... gh... he... ... a... di... the LPU h... ... i... .
   f. S... ide the ... ach... ... a... d... he f... f... the ... ... e... ha... i... e... ... i... he... ide... f... the ... ... he... . If... ec... a... ad... he... i... f... the LPU b... a... ... i... the ead... ... e... a... he... bac... f... the ... ... e... ca... i... . The... hi... i... ach... h... d... a... a... agai... the LPU h... ... i... he... i... e... ga... e... i... he... i... the ... ... he... .

   g. Tigh... e... b... h... h... b... ... e... ... ec... e... the ... ach. The ... ach... d... e... ... ... e... the ... b... h... h... b... ... e... a... igh... e... ed.
3. C... e... the ... ... e... c... e... .
4.

5.   F   3B+

5.1   a   a E

The, e a i g e e a e e f, F,   a s i e s s 64 82 F (18 28 C). F, , i a i i g,

4. P   -C e: U e F   C e , e   e   i ed a   , igh a d hea , abi i e he a
   f   e f   a ce.
5. P   -R   co   : Re   e   , he   e   a di g, i i g,   ai i g , i   e
     e ai ,   e , he e i e , ea e , d f,   i ed a .

In an emergency involving resin, always refer to the Safety Data Sheet (SDS) and/or seek help from a medical professional.

Whe ha d i g IPA, a a   c,   he afe   Da a Shee (SDS) f,   he IPA   ie   he   i   a   , ce f i f,   a i, . Ha d e IPA i h g,   i a   e   e ia ed ea. Kee   a a f,   hea   a   /.947 0.915 8c4 033a eA i h e a   ,   ,

6.
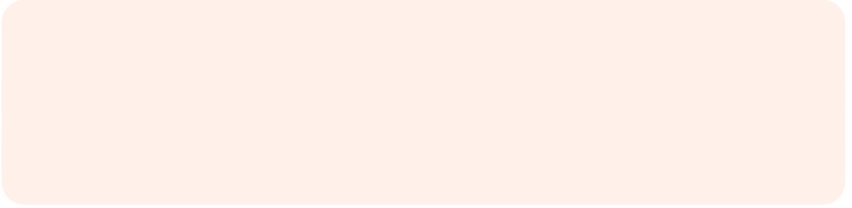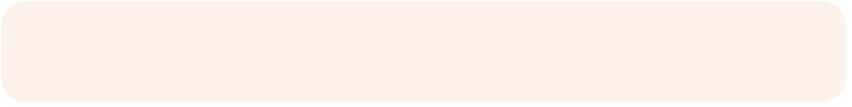
6.2 I   a B

6.2.1 I   B a

The bi...a...es...ca ed...he...de...ide...f he...i ca...idge. Th...e ib...ea...eg a...i di...esi g. R...i...s...f he...e i gi he ce...e...f he bi...a...e he...he ca...idge di...e...ea...ee...he...a...e...e.

Whe...i chi g...adj e e...i ca...idge, i...ec he bi...a...e f...a c...ed...i...da age.

6.2.2 I   a I

See **6.5.2 Maintain the Resin Tank.**

6.3 M I   a Ma a a

6.3.1 ID C   a a Ca

ID (ide i ca i) chi...i a...a d...i ca...idge...de ec...ac...a d...a ch he...i...e i he a...i h he...e...i ca...idge. The ID chi...he...de...ide...f each a...f a...e a d...he b...f he ca...idge...ea...he bi...a...e.

R...ec he ID chi...he a...ca...ie...he a...s...i g...ge...a d he ca...idge...i g...ge f...e...i c...a ia i...da age. C...ed...i...c...a ia i...e...es he...i...e f...e...ide...if i ga ca...idge...i a...d...i gi...e i...e. A...ide...i g he ca...idge ID chi...he...i a...ID chi...he a...ca...ie...a d he a...s...i g...ge...i...id...i.

6.3.2 C a ID C S F

6.5

F... detailed guidance and ... ... of ...

Maintenance ... ... shall be done according ... the following ... :

Update the	When ... ReF... indicates ... ... is available	6.5.1
Replace the resin ...	Replace the resin tank when the ... begins	6.5.2
Replace the resin cartridge	When the cartridge is ... , after	6.5.4
Fill the resin ...	When ... ... in the ...	6.5.3

6.5.1 ... ... F... 3B+ F... ...

F... ... ... , ... Re...
the ReF... ... ... , ... , ...
... ... each ... ...

6.5.2 Ma... ... ...

> Spill hazard. Resin may spill over the tank walls if the resin tank tilts more than 5-10°. Hold resin ta spill 0.0...

See **6.5.3 Filter the Resin.**

1. A clean cloth of clean IPA or a PEC*PAD.
2. Wipe the surface of the resin tank.

7.

F... detailed guidance and ... ... each ... .f ... a... . .

7.1 C D a L

The F... 3B+ ... ... diag... ic ... ... ide detailed i... f... a i... ab... he ... i e

e. Lif␣he c...ed...i␣,_␣f he...i␣a␣.

   I. If he␣a␣,,␣ca␣,␣h,d␣he c...ed...i:

    2. A␣ach␣he␣,␣␣a␣,f␣he␣a␣,,␣,␣he␣b,,␣␣a␣.

    3. S._ee␣e␣he c...ed...i␣b␣␣ee␣he␣,␣e␣d.

  f. Re␣he c...ed...i␣,␣he␣a␣e␣,␣e.

5. Di␣,␣e␣,f c...ed...i. See **8.1.1 Disposal of resin.**

6. C␣ea␣he␣a␣,,␣a␣d␣,␣␣a␣ea.

a␣␣␣a␣␣␣:

1. A␣␣␣c␣ea␣␣IPA␣,␣a␣c␣ea␣␣a␣e␣,␣␣e.

2. Wi␣e␣he␣s␣face␣,f␣he␣a␣,,␣,␣e␣,␣e.␣␣i.

3. A␣,␣he␣a␣,,␣,␣ai␣d␣.

:

1. Re␣␣he␣a␣,,␣i␣␣he␣F␣␣␣Wa␣␣h␣ba␣␣e.

2. Se␣F␣␣␣Wa␣h␣,␣c␣ea␣f␣␣5␣i␣_␣␣e.␣l␣␣c␣ea␣e␣he␣i␣e␣f␣,,␣,␣e␣␣␣ha␣␣␣e␣␣␣f␣␣h.

3. A␣,␣he␣a␣,,␣,␣ai␣d␣afe␣␣␣a␣hi␣g.

7.4

I␣he␣c␣␣e␣,f␣a␣␣e␣,␣␣␣ab␣,␣␣a␣ac␣i␣i␣␣i␣h␣he␣F␣␣␣3B+␣␣efe␣e␣ce␣he␣f␣,,␣␣i␣g␣e␣,␣,␣a␣,␣ca␣␣e␣,␣a␣d␣␣,␣␣␣eds␣,␣␣i␣,␣s␣.␣C␣,␣␣␣ee␣he␣i␣i␣i␣a␣␣_␣b␣␣␣h␣,␣i␣g␣␣e␣␣␣a␣d␣ca␣e␣f␣d␣,␣c␣␣␣e␣␣a␣␣e␣_␣␣.␣C␣,␣ac␣␣F␣␣␣ab␣,␣␣a␣␣e␣i␣e␣␣␣e␣vice␣␣,␣vide␣f␣␣␣addi␣i␣,␣␣a␣␣s␣i␣␣a␣␣ce.

7.4.1

The bi␣e␣␣a␣␣e␣d,␣␣␣␣,␣di␣␣e␣␣e␣␣e␣␣i␣.	The␣␣i␣ic␣␣␣␣e␣␣␣a␣␣e␣a␣␣ia␣␣ha␣␣e␣a␣ed␣␣h␣␣ef.␣Re␣␣i␣␣a␣c␣␣e␣␣,␣e␣␣he␣bi␣␣e␣␣a␣␣e␣,␣␣␣ei␣␣g.	T␣,␣␣_␣b␣␣e␣␣h␣,,␣␣a␣c␣,␣␣ed␣bi␣␣e␣␣a␣␣e: 1. C␣␣␣e␣he␣␣␣e␣␣␣ca␣␣a␣␣d␣␣e␣,␣␣e␣he␣␣e␣i␣␣ca␣␣␣idge␣f␣,␣he␣␣␣i␣␣e. 2. T␣␣␣␣he␣ca␣␣␣idge␣_␣␣␣i␣␣de␣d␣,␣␣,␣i␣␣␣e␣␣␣he␣bi␣␣e␣␣a␣␣e. 3. S␣_ee␣e␣he␣␣e␣␣a␣␣e␣a␣fe␣␣i␣␣e␣␣,␣,␣␣e␣␣_␣␣␣he␣␣e␣a␣␣a␣d␣␣␣e␣a␣␣b␣␣e␣␣i␣␣,␣. 4. I␣␣␣_␣ee␣␣i␣g␣he␣␣␣a␣␣e␣d,␣␣e␣␣,␣e␣a␣␣b␣␣e␣␣i␣␣,␣,␣ca␣␣e␣f␣␣␣e␣he␣i␣␣,␣f␣␣he␣␣␣e␣␣e␣␣e␣␣␣f␣,␣␣he␣Fi␣␣␣h␣␣Ki␣,␣F␣␣␣Wa␣␣h␣,␣␣␣h␣␣,␣␣gh␣he␣␣␣e␣␣i␣g,␣␣e␣a␣␣b␣␣e␣␣i␣␣,␣. 5. If␣␣he␣bi␣␣e␣␣a␣␣e␣ea␣␣␣e␣␣a␣␣␣␣c␣␣␣ed␣afe␣␣␣_␣b␣␣␣h␣,,␣␣i␣g,␣c␣,␣ac␣␣F␣␣␣a␣b␣␣S␣_␣␣,␣␣f␣␣addi␣i␣,␣␣a␣␣he␣.␣S␣␣b␣␣i␣␣␣h␣,␣␣␣,␣f␣he␣bi␣␣e␣␣a␣␣e␣a␣␣␣i␣␣␣,␣␣␣c␣␣e␣_␣␣e␣.
The␣␣,␣a␣␣␣ge␣Ri␣␣i␣c␣,␣␣␣,␣a␣␣ai␣ab␣␣e␣␣l␣␣Re␣F␣␣␣.	The␣␣␣i␣e␣␣␣e␣␣a␣␣,␣␣be␣,␣,␣␣e␣␣␣c␣,␣␣␣ec␣ed␣,␣␣␣he␣␣a␣␣e␣␣,␣ca␣␣e␣␣,␣.	C␣,␣␣␣i␣de␣␣he␣f␣,,␣␣i␣g: Chec␣␣␣␣ee␣␣ha␣␣,␣␣d␣,␣,␣␣␣ha␣␣e␣␣he␣,␣␣␣e␣i␣␣␣a␣ce␣,␣f␣R␣␣eF␣␣␣. Sa␣␣e␣␣a␣␣␣␣e␣bef␣,␣␣e␣␣␣a␣␣i␣g␣R␣␣eF␣␣␣. Re-c␣,␣␣␣ec␣␣,␣␣␣i␣␣e␣␣,␣␣e␣␣a␣b␣␣␣h␣a␣␣,␣␣e␣␣c␣,␣␣␣ec␣i␣,␣␣.
Mi␣␣␣i␣g␣Re␣␣i␣␣Ta␣␣␣␣Mi␣␣␣i␣g␣Ca␣␣␣idge	The␣ID␣chi␣␣($)␣␣␣di␣␣␣␣i␣␣␣i␣g.	1. F␣_␣␣␣e␣␣,␣␣e␣␣he␣␣␣e␣i␣␣␣a␣␣␣a␣d/␣␣␣ca␣␣␣idge. 2. Chec␣␣␣he␣ID␣chi␣␣,␣␣he␣␣␣e␣␣i␣␣␣a␣␣␣a␣d/␣␣␣ca␣␣␣idge␣,␣e␣␣␣␣e␣he␣ID␣chi␣␣␣␣␣␣e␣␣␣a␣␣d␣c␣␣ea␣. 3. C␣␣ea␣␣he␣ID␣chi␣,␣if␣␣ec␣␣␣␣a␣␣␣**S␣␣␣␣6.3.1␣C␣␣a␣␣␣␣ID␣C␣␣␣␣S␣␣␣␣␣F␣␣␣␣.** 4. Re-i␣␣e␣␣␣he␣␣␣e␣i␣␣␣a␣␣␣a␣d/␣␣␣ca␣␣␣idge.

H... Li... M...de... ha...e i...ea c...s...h... .	Ob...c...i... i...he... ica...a...h b...c...he...e...i...c...i...g...i...i a...eci...c a...f he...de .	C...s ide...he f..., ...g: Chec...he...de...ide...f he...i...a .908 -42.32 30

8.   Disposal

8.1   General Information for ... Disposal

CAUTION
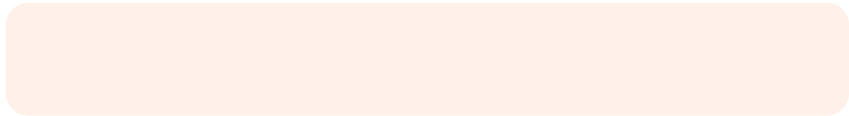
> Refer to the Safety Data Sheet (SDS) and local authorities for guidance on disposing of IPA.

8.1.1   Disposal of ...

Liquid resin (whether ... resin, ..., media, ... material cured) ... be contained ...
hazard, ... area ... has been ... of ... in the case.

Disposal of ... ...:

In the United States, ..., ... RCRA ... by EPA ... ...
... can be ... in the garbage ... ...
Our ... -Ti ... the cartridge ... IPA, ... the ... cartridge, ...
Add the ... ... IPA, ... in accordance with ... ... regulations.

... for ... ...:

1. Re... ... the resin ...
2. Transfer ... ... the ... of the ... into ...
3. P... the resin if ... the ... ... the ... ... the ... ... If the resin debris ...
   ... ... the ... ... the resin before ... as ... ...
   a. P... ... in back in ... the ... ... cartridge ... ... the cartridge with ...
      ... the resin ... ... debris, which can ... ... in fail ...
4. U... the resin ... ... in ... ... the resin ... the ... ...
5. Place the ... resin in ... light (a ... , ...) ... UV light ... ... the resin, and
   ... the ... ...

Disposal of ... ...:

T... ... the ... ... resin (... ... has ... been ... ..., ..., media, ...), add ... ...
... ... chemical ... as ... ...

If ... ...:

1. P... an ... an ... ... of ... ... be ... ..., ... be ... ...
2. Leave the ... ... side, ... light ... for ... 1-10 days. E... 405
   ... light and heat ... the ... ... The ... ... will ... ... the
   ... ... light and heat.
3. Dis... ... of the f... -cured resin ... and c... ... in the ... ...

Disposal of ... ...:

Dis... and ... ... as ... and c... ... (hardened) resin ... ... diseo ... ... C... ...
as ... and c... ... ... can ... be ... ...

8.1.2   Disposal of IPA and ...

Safe ... and ... ... of ... IPA ... ... carting ...

... of ... ... IPA:

1. C... ... the safe ... ... (SDS) ... the IPA ... ... the ... ...
2. R... each ... ... c... ... ... This ... ...
   ... ... service ... ..., check ... with ... ...
   ... ... service ... see if the ... a ... ...

3. If ... IPA ... SDS ...

... IPA ...

8.1.3 D...

The ...

8.1.4 D...

Save the ... 3B+ ...

The ...

The Fuji 3B+ utilizes a 100–240 V ... The internal ... supply converts the ... to +24V DC.

The ... in the ... cartridge ... designed ... the cartridge. ... the build ... the heater ... through the ... O ... the ... material ... create the ... and ...

The ... ID chip is an Electrically Erasable Programmable Read-Only Memory (EEPROM). The ... can read the chip to detect the ... and ID and ...

Segmented ... (or ...) act as bearing ... the ... of the LP ... signals ... the ... the ... material. The ... and the ... id ... C ... the ... and ...

Five ... electrode ... each ... the ... :
(1) Rear ... the ... : ... calibration from the back of the ... .
(2) Side ... the ... : ... calibration from the ... and right side ... .
(1) T ... the ... : ... calibration ... the ... and ... digit ... the ... and ... de ... the ... .
(1) F ... the ... : the ... and ... be ... attached ... a ... in a ... , which ... the ... of the ... be ... the ... .

The ... by ... the ... material is ... the ... . The ... cartridge is ... by the ... the ... the ... , L ... S ... , ... the ... an ID ... , a ... ch ... , a ... .

The ... is ... a ... side and ... each side of the ... cartridge. While ... , the a ... the a ... and the ... .

Each ... a ... de ... c ... the ... the ... the ...

P ... each de ... each side of the ... a ... f ... a ... i ... the ... , ... a ... d c ... the a ... A ... id ... chi ... the b ... f the ... a ... a ... is ... a ... dge that ... c ... ica ... .

Thi ... the back of the ... a ... in ... de ... h the cartridge ... the ... a ... d rec ... f ... the cartridge.

The ... e electrical c ... act ... a ... the back of the ... a ... cartridge ... read the ... a ... EEPROM ID chip ... the ... a ... c ... ica ... the ... e ... R ... F ... .

I ... eci ... d c ... the ... i ... f the ... a ... eci ... a ... a ... a ... . Thi ... the ... e ... the ... i ... f ... ace.

The LCD ... a ... che ... interface ... a ... i ... f ... a ... , ... e ... a de ... a ... .

The Fuji 3B+ ca ... ec ... a ... via USB. The ... c ... ec ... the ... the b ... a d ... d ca ... be acce ... f ... the back of the ... achi ...

The ... id a ... the ... f the cartridge a ... f ... ai ... e cha ... e ab ... i ... a ... e ... i ... de ... . P ... the ... ca ... e ... i ... i ... .

The Wi-Fi ... e a ... ab ... the Fuji 3B+ ... ie ... c ... ec ... i ... . The a ... a ... e ... h ... gh a ... e ... the ... i ... the b ... a d.

The ica e a he bac f he i e id f
a a f he F 3B+. The b i d a f a ed a d e ed

11. [title unclear] C [unclear]

F 3B+ [unclear] f [unclear] a a [unclear] a af a [unclear]:

E [unclear] a

UL 60950-1, 2nd Edition, 2014-10-14
CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10
IEC 60950-1: 2005 + A1: 2009 + A2:2013
EN 60950-1:2006 + A11:2009 + A12:2011 + A1:2010 + A2:2013

La

IEC 60825-1:2014
EN 60825-1:2014

FDA [unclear] a ce a da d f [unclear] a e [unclear] d [unclear] e ce f [unclear] de ia i [unclear] a , La e N ice N . 56, da ed Ma 8, 2019

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