



# firefly®

innovative, compact  
all-in-one liquid handling

## accelerate your genomic research by streamlining your NGS workflows

- **All-in-one**  
firefly simplifies your genomic liquid handling workflows by combining pipetting, dispensing, incubating, and shaking technologies.
- **Compact design**  
firefly's compact, streamlined design makes intelligent use of precious laboratory footprint, allowing you to do more genomics research with less space.
- **Peer-to-peer**  
firefly connects researchers and inspires bigger breakthroughs through a first-in-class peer-to-peer cloud-based network. Share custom protocols and swiftly access validated tools to deepen collaboration and accelerate innovation.
- **Software**  
firefly sets a new standard in powerful liquid handling software. Its intuitive interface unlocks the potential of automation for all, putting you in control of your workflows without the need for complex programming.



discover how your lab  
could benefit – get the full  
technical specifications:

[sptlabtech.com](https://www.sptlabtech.com)

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## technical specifications

Technical specifications	<b>Instrument variants</b>	firefly 3 and firefly 6	<b>Pipetting module</b>	384 pipetting core capable of loading 384, 96 or columns of 8 (96 format) or 16 (384 format)
	<b>Pipetting range and performance</b>	* cv at 1uL and above; +/- 2%* error at 1uL and above using aqueous reagents and specific microplates	<b>Particle sizes</b>	Less than 0.032" diameter to prevent tip blockage
	<b>Tip options ('non sterile', 'sterile', 'filtered and sterile') 384 tips</b>	125-384-EZ = S/FS 050-384-EZ = S/FS 125 - 384 -EZ -S 50 - 384 - EZ - FS	<b>96 tips</b>	125 - 096uL - ff - S 125 - 096uL - ff - FS 50 - 096uL - ff - S 50 - 096uL - ff - FS
	<b>Strip tips 384 format</b>	125uL 125-016-EZ-NS/S/FS 50uL 050-016-EZ-NS/S/F	<b>Strip tips 96 format</b>	125uL 125-008-EZ-NS/S/FS 50uL 050-008-EZ-NS/S/FS
	<b>Gripper module</b>	Compatible with most SBS/ANSI labware	<b>Dispense module</b>	Positive displacement non-contact dispensing 3 or 6 syringes
	<b>Dispense volume range</b>	200nL to 4mL	<b>Bulk dispense speed</b>	< 20 S* per 96 well plate 30 seconds per 96 or 384 well plate < 40 S* per 384 * using 6 syringes
	<b>Primary SBS/ANSI plate formats</b>	96, 384 and 1536* well labware including deepwell blocks and 96 format tubes up to 45mm in height. (*1536 is compatible with dispensing module and a limited range of pipetting options)	<b>Optional accessories</b>	Microplate cooler/heater block Microplate shaker Dispense module reagent cooler/heater
	<b>Dimensions (W x D x H)</b>	660mm x 560mm x780mm	<b>Weight</b>	100Kg (220lbs)

### Questions about firefly?

If you have any questions about the firefly platform, please get in touch:  
[marketing@sptlabtech.com](mailto:marketing@sptlabtech.com)