

IMPLANTATION PROCESS ENGINEERING

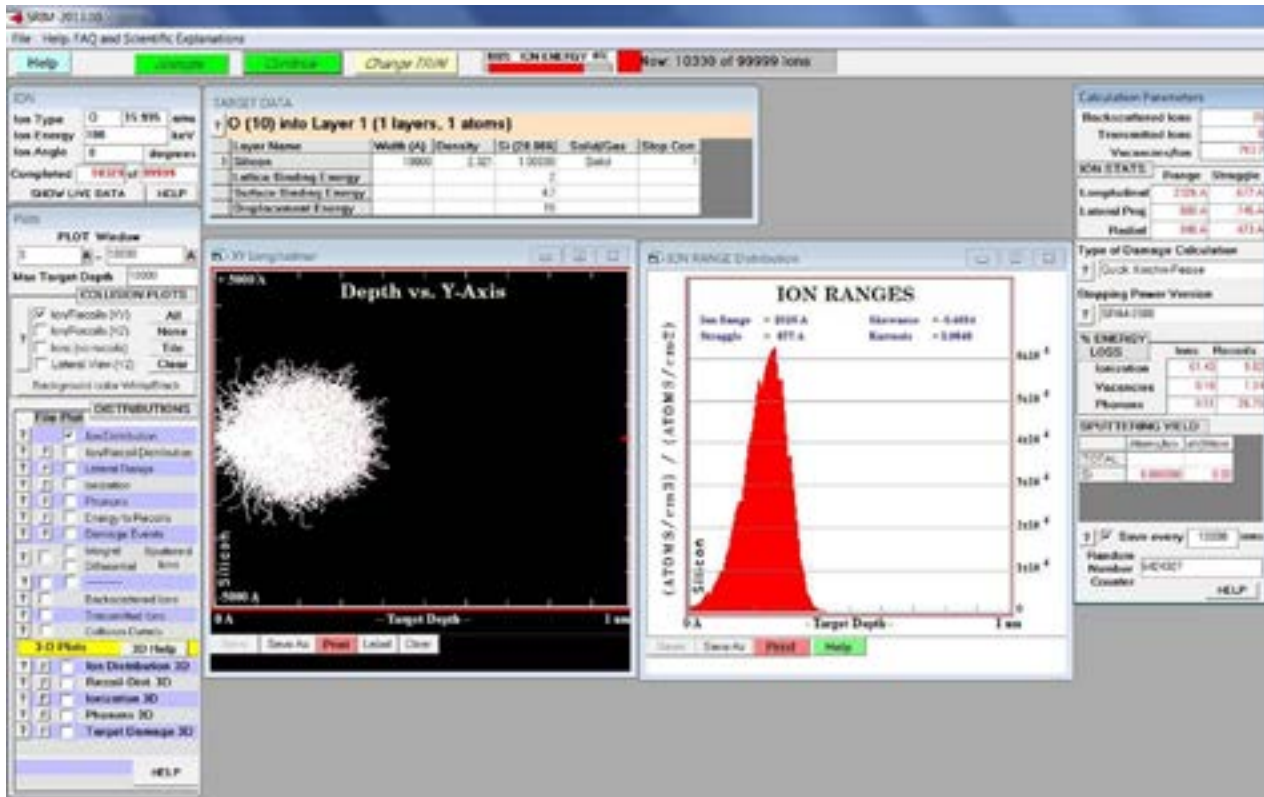
Flexibility. Expertise. Speed.
Everything you need at one implant foundry.



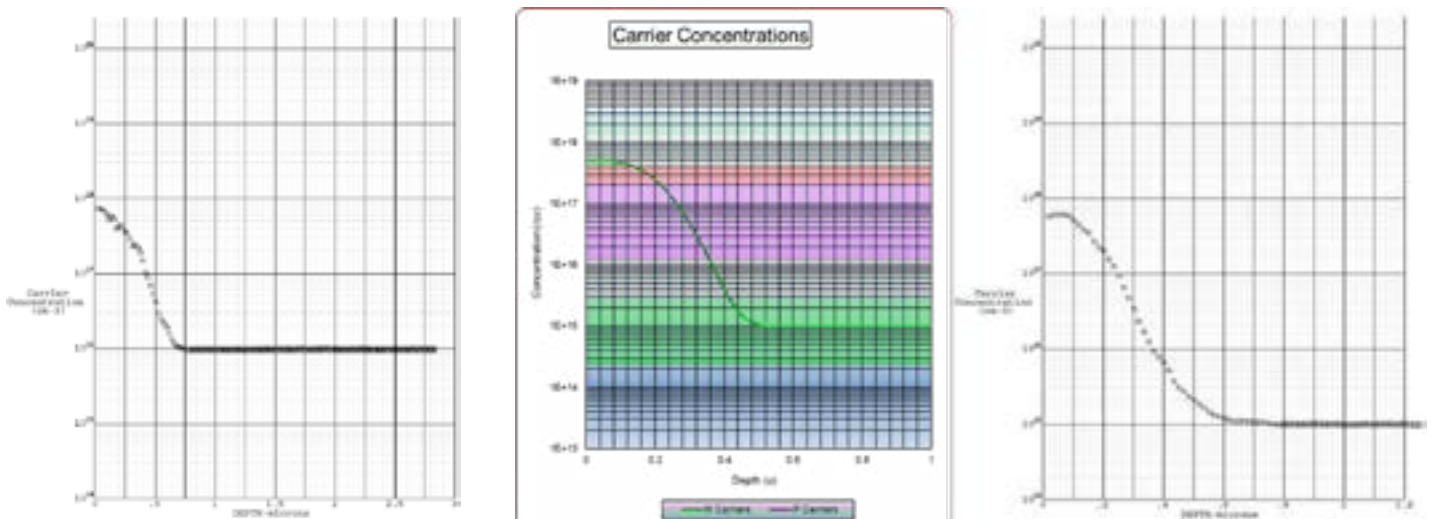
FEATURES

- Over 100 man years of Process Engineering Expertise
- Bipolar Technology
- CMOS Technology
- BiCMOS Technology
- MEMs Technology
- Dopant Profile Engineering
- Damage Profile Engineering
- Conversion of Pre-Dep Technology to Implant Technology
- Implantation Process Tailoring to Substrate Type and Crystallinity
- Implantation Thermal Modelling
- Process Transfer

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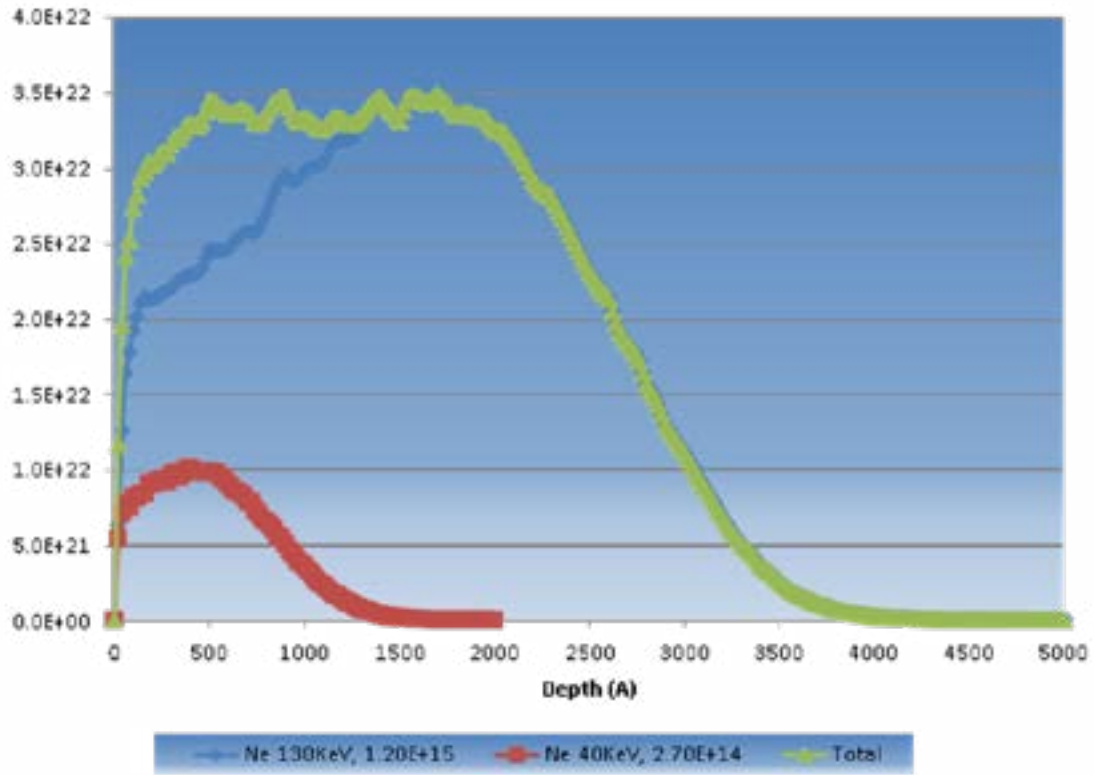


- Assistance with Process Development
- Example of SRIM application on customer request



- Left Graph – Pre-Dop with Drive
- Center Graph – Simulation of Recommended Implant and Anneal
- Right Graph – Implant with Anneal Replacement meets customer goal

Vacancies from Neon Implants into Customer Substrate



- Using SRIM on customer request for Damage Profile Engineering