

ELEDE® 380G+/G380A/G380C/G380CR Plasma Etcher

System Overview

ELEDE 380 is a cost-effective plasma etch tool used for a variety of etching applications in LED production.

Model	Application	Process Modules
G380G+	General LED applications	1
G380A	Mini/Micro LED applications	1
G380C	Blue-Green LED applications	2
G380CR	Red-Yellow LED applications	2

Substrate Size:	50 mm, 100 mm, 150 mm
Application compounds:	GaN, AlGaInP, GaAs, SiO ₂ /TiO ₂ , SiO ₂ , SiN _x , TiW
Technology Markets:	III-V LED



ELEDE 380 G+ / ELEDE G380A

Processes

- Mesa etch
- Distributed Bragg Reflector (DBR) etch
- ISO etch
- AlGaInP (Quartz) etch
- AlGaInP (SiC) etch

Production Advantages

- Excellent etch uniformity and yield
- Process diversity—etches a variety of materials
- High capacity
- Easy maintenance, high stability, low cost spare parts
- Automatic RF power matching to ensure plasma stability
- Plasma clean function greatly improves process repeatability and effectively extends chamber maintenance cycle



ELEDE G380C / ELEDE G380CR