

Graphite boat inquiry checklist

For new assemblies, replacement boats and individual components. Send with your drawings.

01 Contact and delivery

Company / contact / email

Order quantity / spares / destination / requested date

02 Equipment and loading layout

Equipment maker and model / process type

Wafer or workpiece size / batch capacity / plate count and spacing

03 Material and critical geometry

Graphite grade / any specified purity, density or resistivity

Envelope, supports, locating and contact features / drawing and revision

04 Attachments and acceptance scope

- ☐ Dimensioned drawings; assembly drawing or clear photographs
- ☐ Item list separating assemblies, quantity per set and spare quantity
- ☐ Critical dimensions, inspection methods and delivery documents
- ☐ Replacement items: identify wear, damage and any equipment or design changes

Material values, capacity, compatibility and lead time are project-specific. This checklist is a planning aid, not a product specification.

Receiving and pre-use review

Keep parts, approved drawings and inspection records connected. Follow the equipment and process instructions.

01 Shipment and documentation

- ☐ Check packaging, product identity, item numbers, quantities and drawing revision.
- ☐ Check agreed material documents, dimension records and packing list; record missing items.

02 Visual condition and critical dimensions

- ☐ Look for cracks, chipped edges, damaged thin sections, distortion or unusual residues; keep photos.
- ☐ Check the envelope, plate spacing, contact features and mating fit against the approved drawing; record measurement conditions.

03 Handling, storage and assembly

- ☐ Use supports and handling methods suited to the geometry; protect long plates, thin edges and small parts.
- ☐ Separate and identify similar items. Avoid impacts and concentrated loads; follow site cleanliness requirements.
- ☐ Follow the equipment maker's assembly, fastening and loading instructions; review abnormalities before use.

04 Maintenance history and repeat orders

- ☐ Record batch use, inspection findings, repairs, replacements and the latest approved drawing.
- ☐ Use validated site procedures for cleaning, drying, reconditioning and maintenance intervals.
- ☐ For repeat purchases, provide the approved revision, item references, damage photos and current changes.

技术参考 / Technical references

[SGL Carbon: graphite for photovoltaics](#)

[Han's PV: graphite boat loading equipment](#)

References provide industry context and do not imply a partnership or certification.

石墨舟项目询价清单

用于新舟、替换舟与舟片/配件询价。请将清单与图纸一并发送。

01 联系人与交付

公司 / 联系人 / 邮箱

采购数量 / 备件数量 / 交付地点 / 期望交期

02 设备与装载条件

设备制造商与型号 / 工艺类型

硅片或工件尺寸 / 每批装载数量 / 舟片数量与间距

03 材料与关键结构

材料牌号 / 纯度、密度、电阻率等已确认要求

外形、支撑、定位、接触位置 / 图纸编号与版本

04 报价前的资料核对

- ☐ 带尺寸的图纸；整套装配图或清晰照片
- ☐ 零件清单：区分整套数量、单套用量与备件数量
- ☐ 关键尺寸、检验方式与随货文件要求
- ☐ 替换件：标明旧件磨损、损伤以及设备或结构变更

材料数值、装载量、兼容性和交期以双方确认的项目要求为准。本清单不代表产品规格承诺。

石墨舟到货与使用前检查

保持产品、图纸版本与检验记录一致；维护操作遵循设备与工艺要求。

01 到货与文件

- ☐ 核对包装状态、产品名称、零件编号、数量与图纸版本。
- ☐ 核对已约定的材料证明、尺寸记录和包装清单；记录缺项。

02 外观与关键尺寸

- ☐ 检查裂纹、缺角、薄边损伤、变形与异常残留，并拍照记录。
- ☐ 按确认图纸检查外形、舟片间距、接触位置和装配配合；保留测量条件。

03 搬运、存放与装配

- ☐ 使用适合结构的支撑与搬运方式，保护长舟片、薄边和小配件。
- ☐ 分隔并标识相似零件，避免碰撞和局部受力；按现场要求保持清洁。
- ☐ 遵循设备制造商的装配顺序、紧固与装卸要求；发现异常时先复核。

04 维护记录与重复采购

- ☐ 记录使用批次、检查发现、维修更换与最新确认图纸。
- ☐ 清洗、烘干、再处理与维护周期按经过验证的现场工艺执行；不要仅按通用网络配方操作。
- ☐ 重复采购时提供最终图纸版本、零件编号、损伤照片与本次变更。

技术参考 / Technical references

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参考链接用于行业背景，不代表与上述企业存在合作或认证关系。