

## LONGi Tolling Services

### Monocrystalline Ingot Growing

<b>Service Details</b>	Growing (cleaning, sorting if needed), cutting, cropping, grinding, squaring, and packing .
<b>Materials Supplied by Customer</b>	Virgin poly, off-spec poly silicon such as silicon chips, silicon fine/powder, carbon ends, contaminated silicon. Recyclable silicon such as top/tail, pot scraps, IC chips, broken wafers. According to quality requirements of output .
<b>Requirement details supplied by customer</b>	Electric type (dopants), orientation, res., dim., crystal quality and package requirement .
<b>Yield Rate</b>	Based on material condition and output requirements.

### Wafering

<b>Service Details</b>	Slicing (grinding, squaring if needed), lapping, etching and sorting, classified package and transport.
<b>Materials Supplied by customer</b>	Mono ingots, multi-blocks, according to quality requirement of output
<b>Requirement Details Supplied by Customer</b>	Full spec. and package requirement.
<b>Yield Rate</b>	Based on material condition and output requirements.

### Silicon Material Cleaning/Upgrading

<b>Service Details</b>	Purification, Sorting and Cleaning
<b>Materials Supplied by Customer</b>	off-spec poly silicon such as silicon chips, silicon fine/powder, carbon ends, contaminated silicon. Recyclable silicon such as top/tail, pot scraps, IC chips, broken wafers. According to quality requirements of output
<b>Requirement Dtails Supplied by Customer</b>	Applications (mono growing or poly casting), full spec., etching and packing requirements.
<b>Yield Rate</b>	Based on material condition and output requirements.