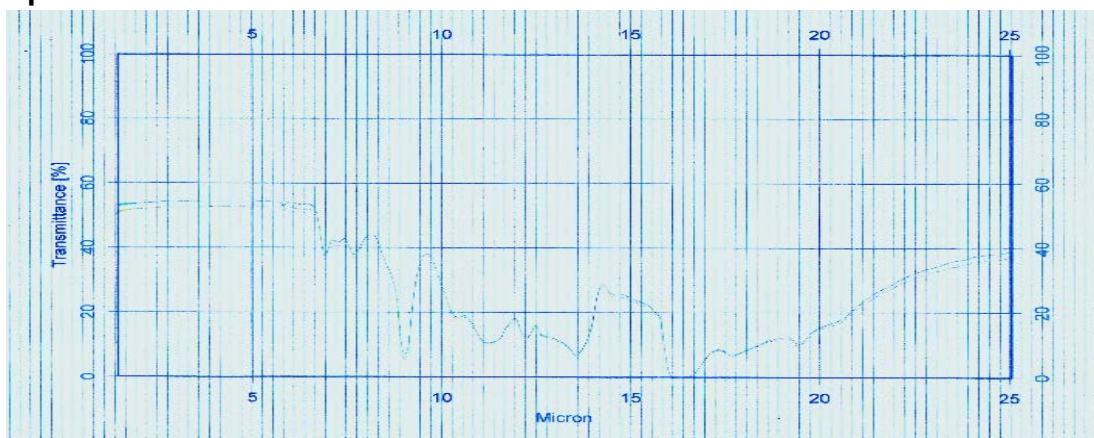


We started Solar-semiconductor on 2004. First , we do material (poly silicon) trading from usa, japan and Germany export to china. Mainly supply the biggest ingot maker in china with several years. And then we started to arrange and etch : semi-grade small size poly silicon, semi-grade wafers, semi-grade ingot part, top and tails and some of small size pot-scrap from ingot-quartz-bottom. In this period we got the huge profit on this-biz. And on 2006, we start to grow P type Mono-Crystal Ingot by Solar-grade($6s'9=99.99999\%$) and on 2007 we started to grow P type Mono-Crystal Ingot by Semi-grade($11s'9=99.999999999\%$). On 2008, we got the first N type Solar-Grade mono-crystal ingot. And On 2012,we got the first N type Semi-grade Mono-Crystal Ingot. Our diameter from 5 inch ,6 inch to 8inch. On March 2013 we success 12 inch(300mm) N type , now , the Max Diameter is :430mm available. We still raising our tech-level....

Company's turnover mainly from : 75% solar industry, we has the original-stock holder ,of Chaori solar Holdings (in Shenzhen stock market) and Giga solar holdings (in Hong Kong stock market). From Material to Solar Module. From Solar-Pv-Project Design-Instruction- Debug – Turn-Key – Management – to Investment, also included the co2 quota trading. We are the ONLY ONE of china maker can grow by N type Solar-Grade Wafers and N Type Solar Module. Normally, p type is mainly in china, in the world.. and N type is more and more difficult on system control, process-manage, puller-tech, and experience. Our product 80% export to japan, We are the(SHARP,KYOCERA,SANYO) Mainest supplier in china.

25% from Semiconductor and Optical : We use 100% High Purity Poly silicon from Wacker(Germany), Hemlock(Usa),Shinetsu Tokuyama(Japan). And Base on the Japan-tech, we are the Only One china maker can grow N type semi-grade Optical Mono-Crystal Ingot. And Export to Japan, Usa, Russia, Germany with 1year History for Optical industry . NO any claim for purity and quality.

Our N type diameter from 6 inch to 12inch, mainly is 8inch now. Max diameter is 430mm. the N type normally higher transmission 1% than P type. Resistivity is 20-60 ohm. Due to can make Bigger Diameter , Regular use in Civil and Military as a Optical infrared material.



Our Higher purity N type Mono-crystal silicon testing result .(polish is by other country.)



Ingot Growing process No 1 Dept. 100units, (total has 5 Depts , totally 480-units now.)



Top and tails cut : No 1 Dept. mainly diameter is: 8 to 8.3 inch . this Dept can cut 250 ingots/day.



