

ABOUT US

We are a group of specialists with experience in monocrystal growth development and production of sapphire. We have been focused on improving HDC method of crystal growth since 2013. Our team consists of physicists, cutting specialist and production specialists.

WE OFFER

Production of sapphire / Delivery of technological unit for sapphire production



- Machine producing by HDC method of crystal growth (see DCS220 presentation)
- Adjustment of technology and size on customer's request
- Operator training
- Supervising center
- Online support
- Consultation on crystal growth
- Research and development
- Project preparation
- Visualization of production

We focused our improvements on the biggest issues of HDC crystalization method (see DCS220 presentation). We achieved perfect results with machine for growth of ingots of size 220*300*40mm and we have 270*300*40mm in process of preparation. Our primary objective is to resize our HDC modified machines for growing the size 400*400*40mm. We strongly believe this size is achievable and that we will be able to be the first who is going to make crystal of this size serially.

Sapphire machining / Delivery of technological unit for sapphire machining



- Production of machines for sapphire machining, fully customised for the customer
- Cutting, polishing, grinding
- Operator training
- Online support
- Consultation on sapphire machining
- Research and development
- Project preparation
- Visualization of production

We have a rich experience in machining that brought a few essential ideas on improvements for the cutting machines. We have already built a prototypes and the results are very promising.

Bulletproof glass / Delivery of technological unit for bulletproof glass production



- Complete BPW technology
- BPW of up to 250*250mm dimension (after certification)
- NATO certification
- Operator training
- Consultation
- Research and development
- Project preparation
- Visualization of production