



# DGT *TRONIK*



***Diversification***  
***in Electronics Manufacturing***





### **Competitiveness on electronics market**

Feeling pressure of Far East electronic production and possibility of losses in market share is common among European manufacturers and engineering companies. **The situation forced firms running electronic business to look for other solutions and possibilities which could lower manufacturing costs.** Many companies close their production facilities leaving only their core business departments or engineering teams and look for good and reliable source of labour powers from lower cost areas. It gives them new breadth and opportunity to maintain or even develop their competitiveness. But choosing reliable partner is not easy job until you are convinced about its worker competences, technical park, standing and some more factors.

### **Why to outsource from DGTronik?**

**DGTronik Ltd. is a diversified manufacturer of highly engineered products focused on niche markets. Above all we conduct business with integrity and honest dealing.**

Our strong points:

- Experience of over 15 years of electronic assembly for telecommunication sector
- 4 times lower labour rates than in Western Europe
- short transportation way as well as low transportation costs from Poland
- quick realization time combined with flexibility of production

### **DGT and DGTronik - a piece of history**

**DGT was formed in 1991** and it started as a provider of comprehensive telecommunication and IT solutions. Now the company develops and integrates the innovative technologies of fast data, video and voice transmission, Internet access, and broadband multimedia services access using traditional media and convergent networks. Main customers of DGT are Polish government sectors like Police, Polish Army, Border Guard, but also big civilian customers like phone operators.

**In 2002 DGT decided to separate production facilities and DGTronik Ltd. has been established as a separate company.**

From this year our company started to produce also for external, mainly foreign companies and some time later it started to be a **strategic manufacturing partner** for some our customers from The Netherlands, Sweden, UK, Germany and others.

### **People and Added Value**

As always people are the most important part of every organization. In DGTronik Ltd. line workers are strongly experienced in assembly of electronics as well as certified. **Part of them has been working in our company since beginning of DGT in 1991.** They are our golden pillars maintaining DGTronik's quality on high level permanently.

Our production engineers analyze projects from our customers in design phase and give suggestions to make assembly process faster and more effective. If problems arise during making a product they are looking for the best solution to minimize costs and delays.

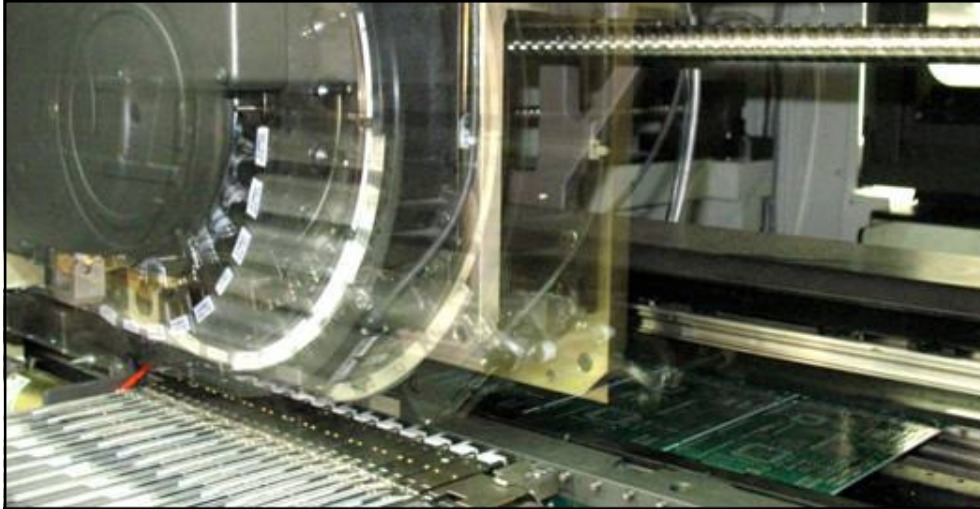
Together with engineering powers of DGT we are able to design PCB layout or even complete product basing on customer needs only.

### **Quality**

The stated goal of DGTronik Ltd. is to attain a significant position in the contract electronics manufacturing market **for maximal medium batch sizes** (up to 10000 pcs.) by offering assembly services at a high, world quality level. **ISO 9001:2000** quality system and the standards of international acceptability of electronic assemblies **IPC-A-610D** allow us to render services of the highest quality to our customers both in Lead and **RoHS**

processes.





## **Technology and Processes**

We use the latest in the technology and processes currently utilised in the electronic industry. On customer demand each device manufactured by our company undergoes **structural and functional tests**. In Circuit Test can be performed too, thus ensuring that only top quality products leave the production line.

- Automatic assembly on 2 modern SMT production lines (assembly capability from 0201 to fine-pitch 0.4 mm IC)
- BGA circuits assembly, BGA rework, BGA reballing (outsourced)
- SMT assembly with glue or solderpaste (with template or dispenser)
- SMD elements gluing and wave soldering
- SMD elements reflow soldering
- Double side SMD assembly
- Wave soldering through-hole assembly
- Through-hole and SMD assembly combination
- Complementary manual assembly
- Press fit assembly technology

## **Equipment**

### **1st SMT Line**

Nutek loader

- automatic screen printer DEK 265 Horizon 02
- pick&place double head machine: Universal Genesis GC-60 (57000 cph)
- pick&place machine: Universal Advantis AC-72 (14000 cph)
- platform tray feeder Universal
- reflow oven: Vitronics Soltec XPM3-1030
- Nutek transport system

### **2nd SMT Line**

destacker Universal

automatic screen printer DEK ELA

pick&place machine: Universal Advantis AC-30L (33600 cph)

pick&place machine: Universal GSM1 (5000 cph)

platform tray feeder Universal

reflow oven: Vitronics Soltec Quantis Pro

unloader Nutek

## Prototype and short series SMT Line

- manual pasta printer
- dispenser CAM-ALOT
- pick&place machine M20
- pick&place machine M15

## Manual through-hole assembly lines:

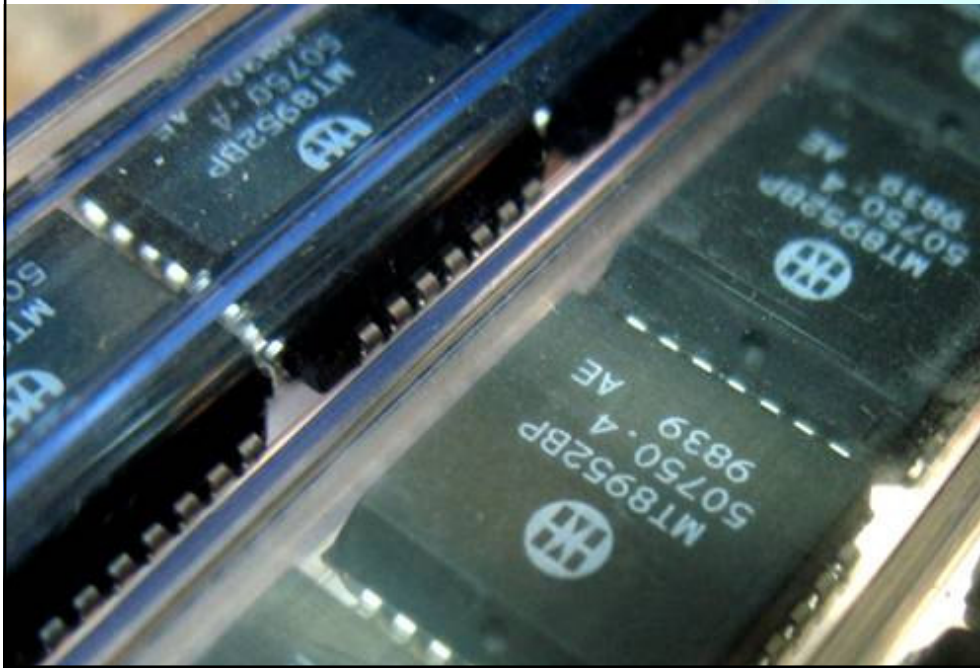
- 12 manual assembly stands
- RoHS** wave soldering machine: Vitronics-Soltec 6622-Delta
- 6 manual assembly stands
- Lead** wave soldering machine: Soltec 6621-Prisma
- 30 individual stands for THT and final assembly per shift

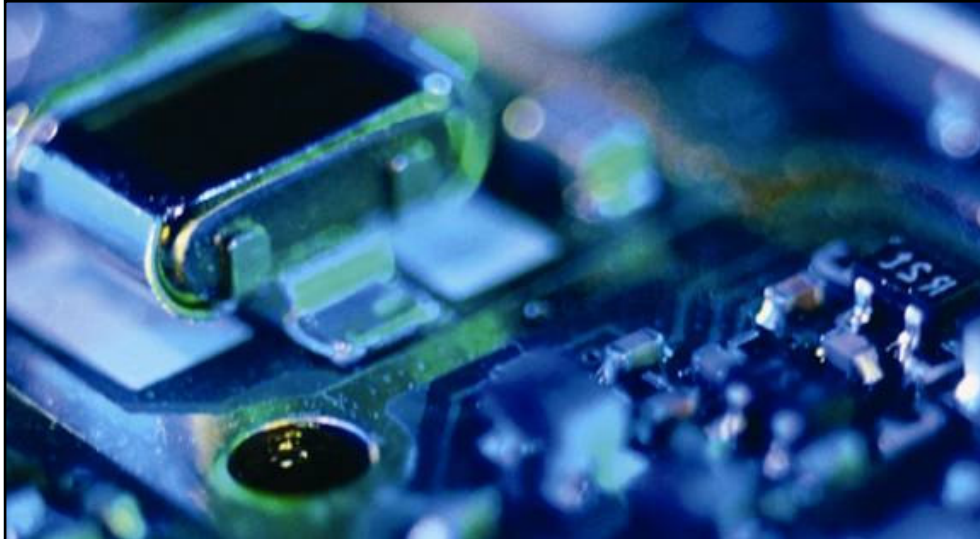
## Testing and inspection Devices:

- Mantis inspection system
- Ersascope inspection system
- Metcal BGA 3500 rework system
- In-circuit tester SCORPION ITA MDA

## Procurement – everything in one place

Our purchasing department is ready to support our customers with **components from most famous distributors** of electronic components. Buffer purchases are also possible to fulfill needs of scheduled production. Besides assembly service DGTronik Ltd. offers **purchasing of raw PCBs**. Thanks to beneficial contacts with PCB suppliers from Far East, Poland and other European countries, DGTronik Ltd. covers almost all types of PCBs. It can deliver at usually more competitive prices than from West Europe PCB suppliers. All boards are electrically tested and have all needed certificates like UL, or RoHS.





More info about our company you can find on our website:

[www.dgtronik.com.pl](http://www.dgtronik.com.pl)

If you are interested in products of DGT, look here:

[www.dgt.com.pl](http://www.dgt.com.pl)

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