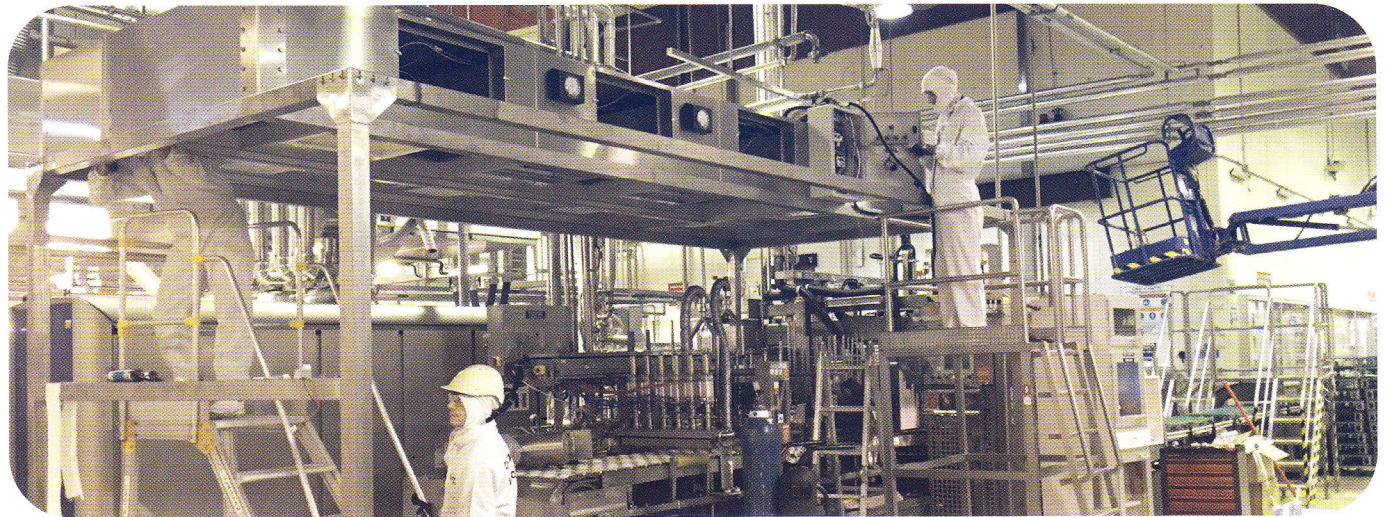
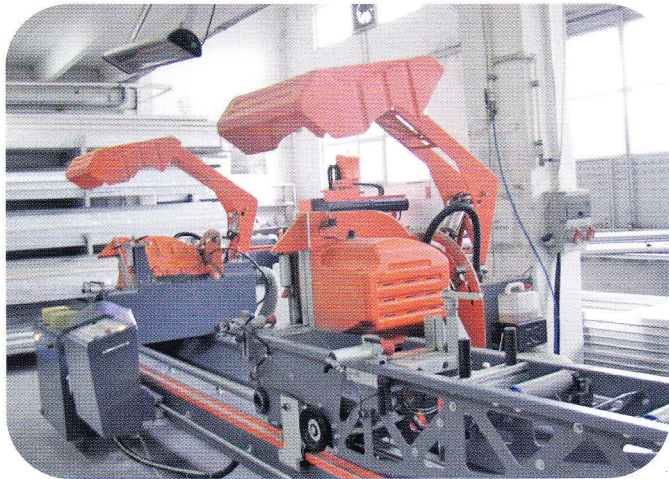




CLEANROOM • HVAC • SPECIAL PRODUCTS

**TEKNO ELEKTROMEKANİK MÜHENDİSLİK SAN. VE TİC. A.Ş.**

Production of HTL Clean Room Systems is performed in our Facilities.



*Customer-focused, contemporary, economical and fast solutions ...*

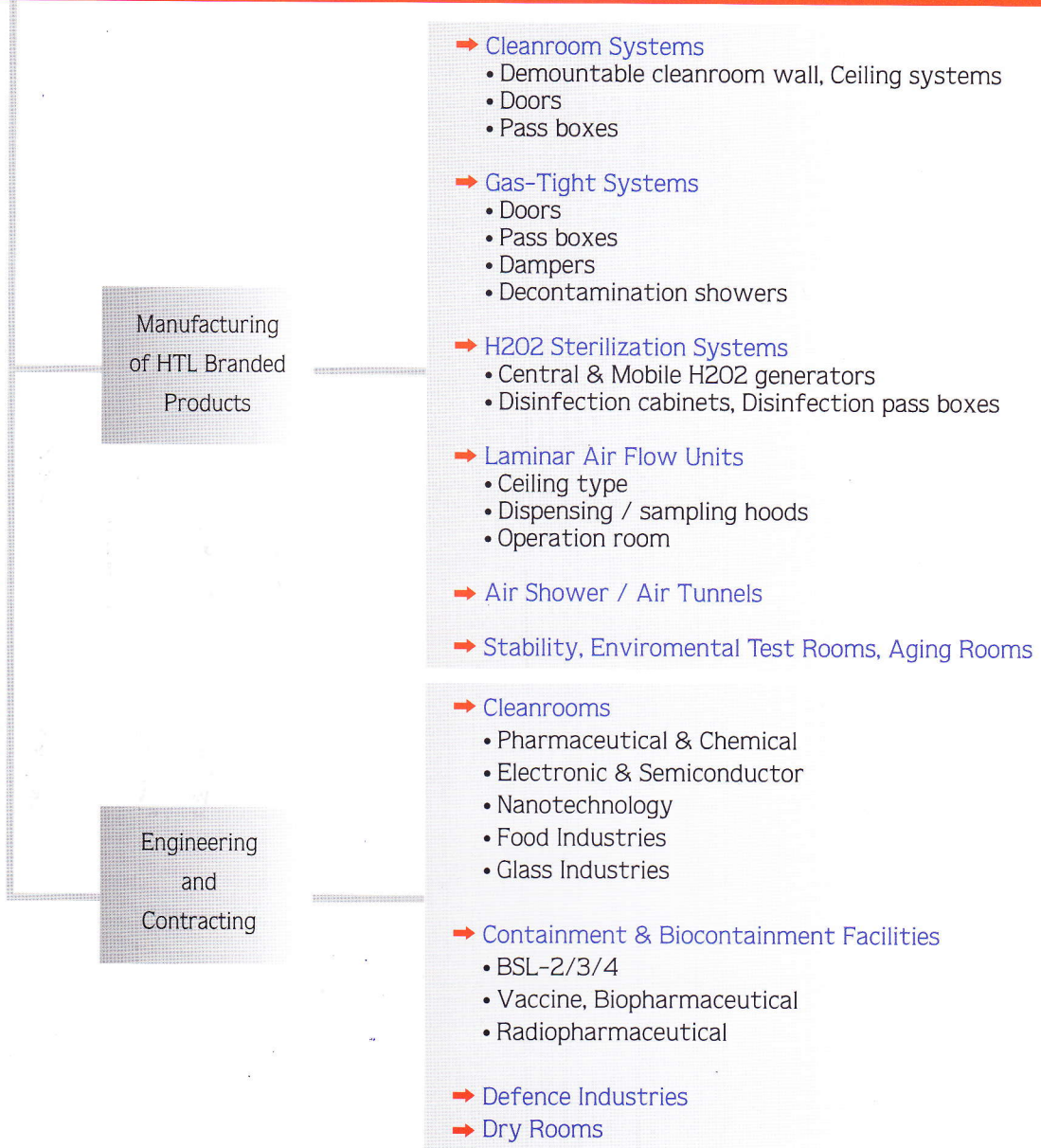
## Brief Introduction:

Legal name : Tekno Elektromekanik Mühendislik Sanayi ve Ticaret A.Ş.  
Trademark : HTL  
Registered Office : İstanbul Tuzla O.S.B. (İTOSB) 7. Cd. No: 10 34959 Tepeören-Tuzla/İstanbul, TR  
Phone : +90 216 504 02 09 – 10 Fax: +90 216 504 02 07  
Web : www.htl.com.tr e-mail: info@htl.com.tr

## History:

Our company which gained a prominent place with its quality and conscious applications regarding HVAC and clean room solutions; began manufacturing HTL branded cleanroom systems in 2003 that are its own design. Its effort continues to continuously improve the range of products and technologies, to offer modern and competitive products to its customers.

## Our Effective, Affordable, Reliable and Timely Solutions



*Customer-focused, contemporary, economical and fast solutions ...*



ISO 9001 : 2008

## HTL CLEANROOM DEMOUNTABLE PANEL WALL / CEILING SYSTEMS



### Demountable Panel Systems:

- Resistant to bumps and scratches, disinfectants,
- Completely smooth surfaces
- HPL surface **PHARMA-CLEAN** series
- Metal surface, fire-safe insulated **META-CLEAN** series
- It is produced in three different series; Metal surface, PU insulated **PU-CLEAN** series
- **All equipment is compatible with each other such as window, door, pass-box, the interlock system, and etc.**

### Demountable Suspended Ceiling Systems

- Non-walkable, Lay-in type that can carry 50 kg/m<sup>2</sup>
- Walkable, that can carry 120kg/m<sup>2</sup>

*Customer-focused, contemporary, economical and fast solutions ...*

CLEANROOM HTL DOORS / PASS-BOXES



Cleanroom Doors:

- Metal or HPL surface,
- Manual or automatic
- Complete solutions with glass, interlock system, magnetic contacts, electric, etc.

Pass-Box'lar

- Electrical interlock
- Standard or to the desired size,
- Optional:
  - 253.7 nm UVGI sterilization
  - Hepa filter
  - Gas -Tight inflatable gasket
  - H<sub>2</sub>O<sub>2</sub> Sterilization

*Customer-focused, contemporary, economical and fast solutions ...*

## HTL GAS - TIGHT PRODUCTS



### Gas - Tight Systems Applications:

- High-level biosafety BSL-3 / BSL-4 virus and recombinant DNA Laboratories
- Decontamination, fumigation rooms
- Pharmaceutical production facilities
- Places Requiring Fumigation Microbiology, GMO Laboratories
- Nuclear, biological and chemical plants, dry rooms
- Facilities where sealing is vital for the safety of environment, personnel and product like NBC shelters.
- Vaccime industries

### Pneumatic Seal Gas - Tight Systems Product Range:

- Gas-tight doors
- Gas-tight Pass-boxes
- Sterilization Cabinets
- Gas-tight dampers
- Decontamination Showers
- Sterilization Pass Boxes

*Customer-focused, contemporary, economical and fast solutions ...*

HTL GAS - TIGHT PRODUCTS



**Gas-Tight Doors:**

- 304,316 quality stainless steel or complete glass wings, 304 grade stainless steel case
- Ready for connection to the building management system

**Gas Tight Pass-Boxes :**

- 304,316 quality stainless steel body, aluminum framed complete glass doors
- Electrical interlock, ready to connect to building management system
- Optional HEPA filter, UVGI sterilization, H<sub>2</sub>O<sub>2</sub> sterilization connection/built-in H<sub>2</sub>O<sub>2</sub> sterilizator

**Gas-Tight Dampers:**

- 304,316 grade stainless steel
- Ready for connection to the building management system
- Damper position can be monitored both visually and electrically.

*Customer-focused, contemporary, economical and fast solutions ...*



ISO 9001 : 2008

## HTL AIR SHOWER / AIR TUNNEL



### Usage Areas:

- Pharmaceutical industry
- Electronics Industry
- Chemical Industry
- Optical Industry
- Paint Industry
- Laboratories
- Food Industry
- Nanotechnology

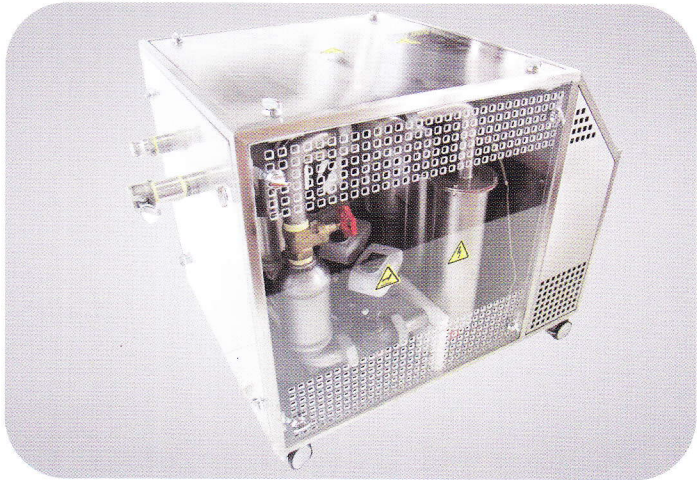
### Specifications:

- Modular design
- Effective filtration
- 25-30 m / sec air velocity
- F7 prefilter & H13 HEPA filter
- High efficiency / velocity controlled EC fan
- Saolid jet-nozzles
- Stainless steel inner surfaces
- PLC Control
- Automatic Doors (Optional)
- 7500 v ioniser (Optional)

*Customer-focused, contemporary, economical and fast solutions ...*



## HTL HYDROGEN PEROXIDE CABIN AND ROOM STERILIZATORS



### Usage Areas:

- High-level biosafety BSL-3 / BSL-4 virus and recombinant DNA Laboratories
- Decontamination, fumigation rooms
- Microbiology, GMO Laboratories Requiring Fumigation
- Nuclear, biological and chemical plants, dry rooms
- Facilities where sealing is vital for the safety of environment, personnel and product like NBC shelters.
- Operating rooms sterilized with H<sub>2</sub>O<sub>2</sub> Sterilization, etc. facilities
- Biosafety cabinets

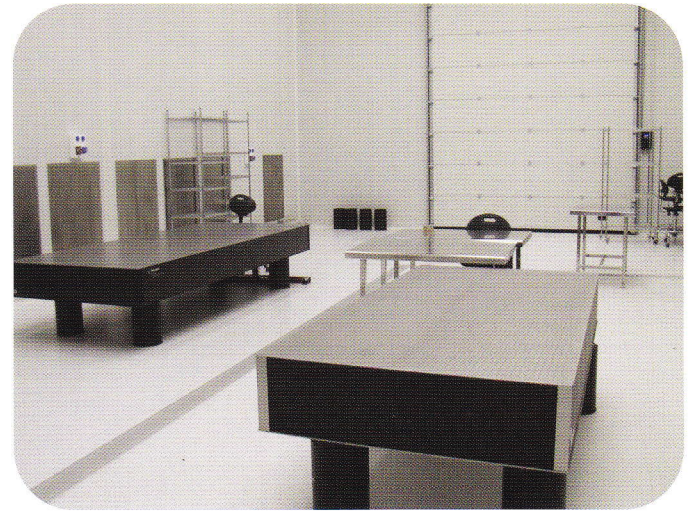
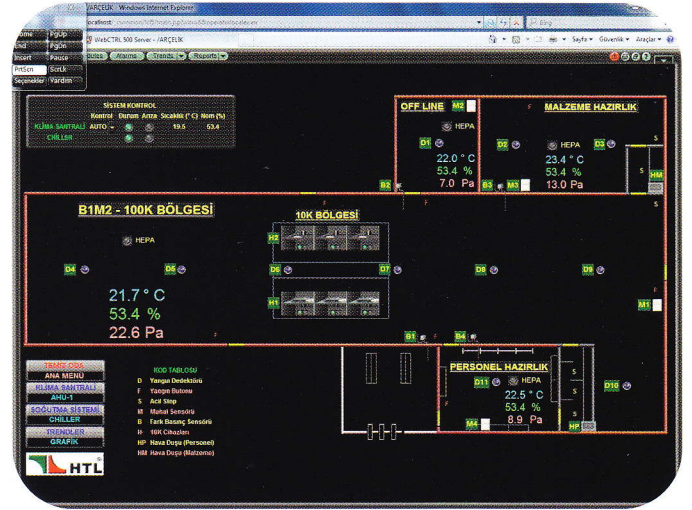
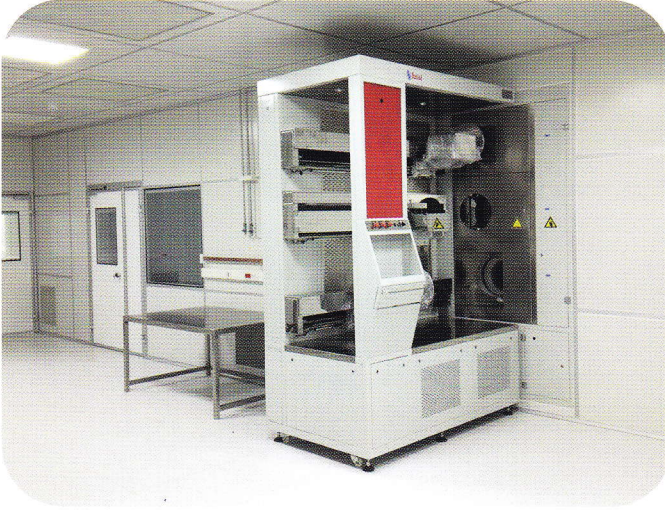
### Specifications:

- PEROXMIN for cabinets and for rooms up to 100m<sup>3</sup>
- PEROXMAX for rooms up to 600m<sup>3</sup>
- Ease of use, fully automated design and easy validation

*Customer-focused, contemporary, economical and fast solutions ...*



ISO 9001 : 2008

**HTL ENGINEERING / CONTRACTING**

*Customer-focused, contemporary, economical and fast solutions ...*



SOFT WALL CLEAN CABIN



GAS-TIGHT PRODUCTS



R&D LABORATORY



AIR SHOWER



H<sub>2</sub>O<sub>2</sub> STERILIZER



CLEAN ROOM - DRY ROOM

*Customer-focused, contemporary, economical and fast solutions ...*



CLEANROOM • HVAC • SPECIAL PRODUCTS



**Baskı Firması / Printing Company**

Birikim Matb. Rek. Paz. San. Tic. Ltd. Şti.

Gebze Güzeller OSB Fatih Sultan Mehmet Cad. No:18 Gebze / Kocaeli

T. +90 (262) 644 16 16 - F. +90 (262) 643 51 19

**Basım Tarihi / Date Printed**

25/09/2017



**TEKNO ELEKTROMEKANİK MÜHENDİSLİK SAN. VE TİC. A.Ş.**

İstanbul Tuzla O.S.B. (İTOSB) 7. Cd. No: 10 34959 Tepeören-Tuzla/İstanbul, TR

+90 216 504 02 09 - 10 Fax: +90 216 504 02 07

www.htl.com.tr e-mail: info@htl.com.tr