



**CIHIT**  
中国伊朗创新技术中心

# **China Iran** **House** **of Innovation** **& Technology**

## BACKGROUND 背景

China Iran House of Innovation and Technology is Technology exchange platform supported by Iran vice Presidency for Science and Technology.

中国伊朗创新技术中心是由伊朗科学技术副总统支持的技术平台



- **2016:** Joint Statement between the People's Republic of China and the Islamic Republic of Iran on Building a Comprehensive Strategic Partnership.

**2016年:** 中华人民共和国和伊朗伊斯兰共和国关于建立全面战略伙伴关系的联合声明



- **2016:** Agreement between Chinese Academy of Science and Iran Vice Presidency for Science and Technology

**2016年:** 中国科学技术部与伊朗科学技术副总统达成协议



- **2019:** Agreement between China Ministry of Science and Technology and Iran Vice Presidency for Science and Technology

**2019年:** 中国科学技术部与伊朗科学技术副总统达成协议



- **2021:** China and Iran 25 years agreement on strategic Partnership

**2021年:** 中伊签署25年全面合作协议

# MISSIONS

- 1** To facilitate R&D cooperation, Technology exchange and business negotiation between two countries' companies and institutes  
促进两国公司和研究所之间的研发合作, 技术交流和商务谈判
- 2** To establish high tech JV and setting up Iranian high tech companies' branches in China  
建立高科技合资企业, 并在中国设立伊朗高科技公司分支机构
- 3** To present Iranian companies in Chinese Exhibitions as well as Chinese companies in Iranian exhibitions  
在中国展览中展示伊朗公司以及在伊朗展览中展示中国公司
- 4** To apply for patent, register and acquire certificates for Iranian high tech brands and products in China  
为中国的高科技品牌和产品申请伊朗专利, 注册并获得证书
- 5** To arrange industrial and commercial visits between Iran and China  
安排中伊之间的工业和商业访问

## SCIENCE AND TECHNOLOGY IN IRAN 伊朗科技



number of  
students  
学生人数

Over **4** million



The Number of  
S&T parks  
科技园区数量

**43**



The Number of  
Universities  
大学数量

**1102**



Knowledge Based  
Companies  
知识型企业

**6000**

# China Iran House of Innovation and Technology

## 5 specialized brands in China

### 中国伊朗创新科技中心在中国的5大专业品牌

#### • INCC 伊朗纳米中国中心

Iran Nano China Center, Specialized for Nanotechnology and Advanced Material

涉及行业：纳米技术和先进材料

#### • IHP 伊朗高科技馆

Iran High-tech Pavilion Specialized Exhibition in Shanghai to show Iranian High-tech Products

在上海展览会展示伊朗的高科技产品



#### • CIBEC 中国伊朗生物医学工程中心

China Iran Biomedica Engineering Center, Specialized for Biotechnology, Medical Equipment and pharmaceutical

涉及行业：生物技术，医疗设备，制药

#### • Water Clinic 水诊所

Water Clinic, Specialized for Environmental Technologies and water treatment

涉及行业：环境技术和水处理

#### • CHIHC 中国伊朗高科技中心

China Iran Hightech Center, Specialized for IT&IOT&AI, Lab Instruments and Industrial Machinery.

涉及行业：IT&IOT&AI，实验室仪器和工业机械。

## SUCCESSFUL PROJECTS & ACTIVITIES

### 成功项目和活动





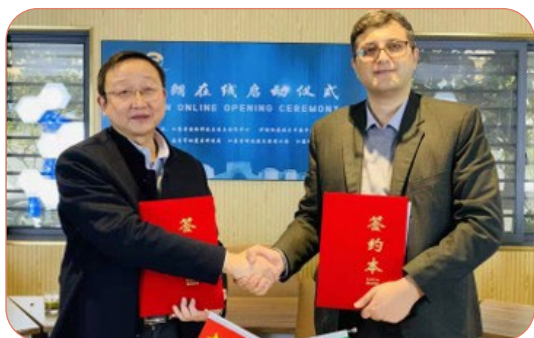
MOU and Agreements  
谅解备忘录和协议

40



Business Contracts  
商业合同

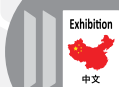
15





Matchmaking  
Events  
对接会

30



Exhibitions

展会

35





Online Matchmaking  
Events

线上对接会

10



## Services of the CIHIT 服务

Showroom &  
cowork space  
展厅&协同办公空间



Marketing services  
营销服务



Translation  
services  
翻译服务



Consultation services  
(IP protection, customs procedure, logistics and attorney)  
咨询服务(知识产权保护, 海关手续, 物流, 法律等)



Technical &  
business negotiations  
技术及商务谈判



B2B matchmaking events  
and exhibitions  
对接会及展会



## NANOTECHNOLOGY 纳米技术

### ➤ FANAVARAN NANO MEGHYAS (FNM)

Industrial Nanofiber Production Line (INFL6100) | 工业级纳米纤维生产线 (INFL1600)

### ➤ Payamavaran Nano Fanavar (PNF)

Metal-based Nanoparticles | 纳米金属颗粒

### ➤ NANO STRUCTURED COATING (NSC)

DESK SPUTTER COATER (High Vacuum, Triple Magnetron Target Desk Sputter Coater)

台式溅射镀膜仪 (三重磁控靶台式溅射镀膜仪)

### ➤ NOYAN

Corrosion InhibitorR Package for Antifreeze & Anti Boil | 用于防冻和防沸腾的腐蚀抑制剂套装

### ➤ IRASOL

Materials and Equipment for Solar Cells and Other Applications

太阳能电池和其他应用的材料和设备

### ➤ ARA RESEARCH

Atomic Force Microscope (AFM Microscope) | 原子力显微镜

### ➤ LOTUS

AFM TIP | 原子力显微镜尖端

### ➤ PARSA POLYMER SHARIF (PPS)

Internal and external plastic parts of automobiles | 汽车的内外塑料零件

### ➤ Nanomaad Pars

Conductive and Semi Conductive Fabric | 导电和半导体织物

## MEDICAL 医疗器材

### ➤ SinaRobotics

Sina: Robot Remote Surgery System | Sina: 机器人远程手术系统

### ➤ SiMedix

OpSim: Eye Cataract Surgery Simulator | Op Sim: 眼科手术模拟器

### ➤ ExirNanoSina

SinaCurcumin | (纳米胶束姜黄素软胶囊 80mg)

### ➤ Barij Essence

Herbal Medicine: Rose Oil (Treatment of Otagia and tinnitus Damask Rose)

草药: 玫瑰精油 (治疗耳痛、耳鸣, 大马士革玫瑰)

### ➤ LOTUS

Bio Sensors MICRO NEEDLE PATCH | 微针贴片

### ➤ Parmis

3D medical image post-processing 3D (Kio Glob) | 医学影像后处理 (Kio Glob)

### ➤ Maya Slim Aria (Medaria)

Beauty Product: Skin Tenderness | 美容产品: 皮肤嫩肤

## IT&amp; IOT &amp; AI

## ➤ PART Artificial Intelligence Research Center

Designing and manufacturing AI-enabled hardware accelerator

AI 硬件加速器的设计和制造

## ➤ PADVISH

Anti-ransomware | 反勒索软件

## ➤ Bridge to Tomorrow (Rayboard)

RayBoard: cloud based digital signage solution | 基于云的数字标牌解决方案

## ➤ HPDS

HPDS SANGold Pro

## INDUSTRIAL MACHINERY 工业机械

## ➤ Durali System Design &amp; Automation Company (DSDA)

Hydro Turbine, Governor | 水轮机, 调节器

## ➤ Paya Sanaat Sama

Cold Compression Strength Test Of Pellets | 颗粒的冷压强度测试

## LAB INSTRUMENTS 实验室仪器

## ➤ TAVANA

General and special lab equipment | 常规和特殊实验室设备

## ➤ LOTUS

Micro-Nano Fabrication technology | 微纳制造技术

## Water and wastewater treatment 水和废水处理

## ➤ Danesh Pajhohan Sanat Nano (DPSN)

Gray Water Treatment Systems | 废水处理系统

## ➤ Payamavaran Nano Fanavar (PNF)

water and waste water treatment system | 水和废水处理系统

## PAINT 画

## ➤ RANGIN NANO SAKHTAR (RANS)

RANS 1400 water-based antibacterial coating

RANS 1400水性抗菌涂料 (用于纸和纸板)

## ➤ KARANGIN

Fire Stop Coating 防火涂料

# NANOTECHNOLOGY 纳米技术



## List of Companies 公司名单

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- » FANAVARAN NANO MEGHYAS (FNM)
- » Payamavaran Nano Fanavar (PNF)
- » NANO STRUCTURED COATING (NSC)
- » NOYAN
- » IRASOL
- » ARA RESEARCH
- » LOTUS
- » PARSA POLYMER SHARIF (PPS)
- » Nanomaad Pars



# FANAVARAN NANO MEGHYAS (FNM)

## Advantage 优势

cover 240 square meter per hour, which is equivalent to producing 6,000 N95 masks per hour.

新一代的这种设备每小时可覆盖240平方米,相当于每小时可生产6,000个N95口罩。

### Industrial Nanofiber Production Line (INFL6100) 工业级纳米纤维生产线 (INFL1600)

PATENT

China Patent



申请公布号 CN 109952394 A  
申请公布日 2019. 06. 28

US Patent



US 20180010263A1



China Patent  
中国专利数

1

US Patent  
美国专利数

7



International  
Cooperation  
国际合作



China



Malaysia



South Korea



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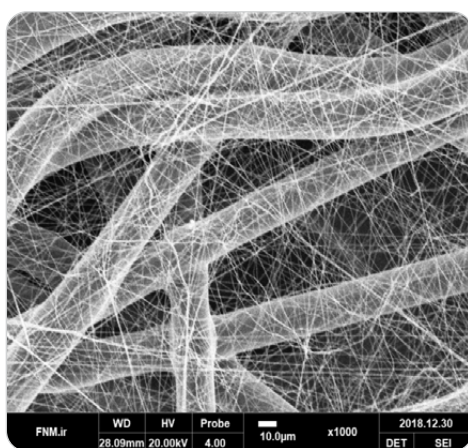
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# FANAVARAN NANO MEGHYAS (FNM)

## Application of nanofibers in the filtration industry 纳米纤维在过滤行业中的应用

- Massive production 空气过滤
- Air filtration 量产
- Gas turbine air filter 燃气轮机空滤
- Car engine air filter 汽车发动机空滤
- Clean room air filter 洁净室空滤
- Dust bag 除尘袋
- Antibacterial air filter 抗菌空滤
- High efficiency air filter 高效空滤
- Mask filter 口罩过滤



➤ This new generation of equipment can cover 240 square meters per hour, which is equivalent to producing 6,000 N95 masks per hour.

➤ 新一代设备每小时可覆盖240平方米,相当于每小时生产6000个N95口罩。



# Payamavaran Nano Fanavar (PNF)

## Advantage 优势

- ▶ Massive production 批量生产
- ▶ Producing pure nanoparticle 生产纯纳米颗粒
- ▶ Green Technology 绿色科技
- ▶ Chemical Free 无化学物质
- ▶ Affordable method 经济实惠的方法
- ▶ Short-time process 短时处理

Metal-based  
Nanoparticles  
纳米金属颗粒



## Nano Particles 纳米颗粒

- ▶ Nano Silver colloid 纳米银胶体
- ▶ Nano Copper Colloid 纳米铜胶体
- ▶ Nano Aluminum Colloid 纳米铝胶体
- ▶ Metal Nano Alloys 金属纳米合金
- ▶ Nano Iron Colloid 纳米铁胶体
- ▶ Nano Gold Colloid 纳米金胶体



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# NANO STRUCTURED COATING (NSC)

NSC Co. is a designer and manufacturer of high quality and reliable vacuum coating systems.

NSC 公司是高品质和可靠真空镀膜系统的设计商和制造商

DESK SPUTTER COATER DST-3T  
High Vacuum, Triple Magnetron  
Target Desk Sputter Coater  
高真空, 三重磁控靶台式溅射镀膜仪



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Desk Thermal Evaporator - DTT



High Vacuum Desk Carbon Coater - DCT



High Vacuum Desk Sputter Coater  
DST170-1



Pulsed Laser Deposition/Thermal  
Evaporation Coater - PLD



High Vacuum Sputter/Carbon Coater  
DSCT





# NOYAN

Noyan Co. able to produce its products in accordance with various standards set by automotive companies that is completely compatible with all types of cars.

Noyan公司拥有专业和经验丰富的人员,能够按照汽车公司制定的各种标准生产产品,完全兼容所有类型的汽车。

## CORRISON INHIBITOR PACKAGE FOR ANTIFREEZE & ANTI BOIL

用于防冻和防沸腾的腐蚀抑制剂套装



## BRAKE FLUID ADDITIVE PACKAGE 制动液添加剂组



## WINDSHIELD Cleaner 挡风玻璃清洁剂



## BRAKE FLUID 制动液



## ANTI FREEZE & ANTI BOIL 防冻剂及防沸腾



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## Inks and Pastes for Solar Cells and Printed Electronics

用于太阳能电池和印刷电子产品的油墨和浆料

Materials and Equipment for Solar Cells and Other Applications  
太阳能电池及其他应用的材料和设备

### Products 产品

#### Metal Inks and Pastes



1. Au stable ink to deposit Au films

Application: Deposition or printing gold on substrates.

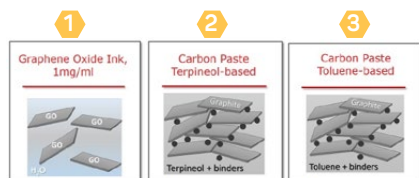
2. Silver conductive ink for wiring and metal contact

Application: Deposition or printing silver or making metal contact.

3. Silver nanowire ink to deposit transparent conductive electrodes

Application: Transparent conductive Electrode fabrication

#### Carbon Inks and Pastes 碳墨和碳浆



1. Stable Go dispersion for high quality Go deposition

Application: Highly uniform films of graphene oxide on substrates

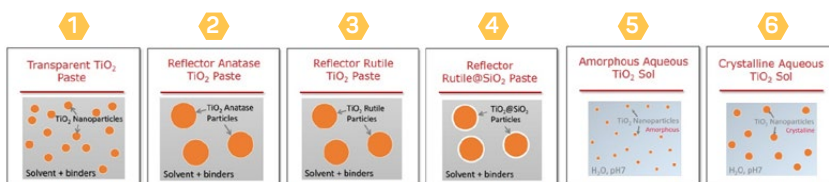
2. Carbon paste (terpineol based) as a conductive electrode

Application: Carbon electrode for dye solar cells and other devices

3. Toluene-based carbon paste suitable for perovskite solar cells

Application: Flexible carbon electrode, for perovskite solar cells and other devices

#### Metal Oxide Inks and Pastes



1. Ideal paste for meso-TiO2 deposition

Application: Highly uniform and transparent TiO2 membranes For dye solar cells and UF.

2. paste of anatase TiO2 particles for reflection layer of DSSCs

3. paste of rutile TiO2 particles for reflection layer of DSSCs

4. paste of rutile TiO2 particles coated with SiO2 for reflection layer of DSSCs

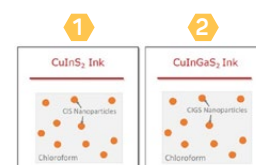
Application: Very high diffuse reflectivity layers For dye solar cells and other applications

5. Amorphous TiO2 stable neutral aqueous sol with no dispersing agent

6. Nanocrystal TiO2 stable neutral aqueous sol with no dispersing agent

Application: Very stable, pH 7, no stabilizer TiO2 dispersion For self-cleaning coating, and other TiO2 film applications.

#### Metal Oxide Inks and Pastes



1. Stable dispersion to deposit high performance HTM layers

2. Stable dispersion efficient absorbing layer of CIGS solar Cell

Application: CIGS stable dispersion to deposit CIGS For CIGS and perovskite solar cells.



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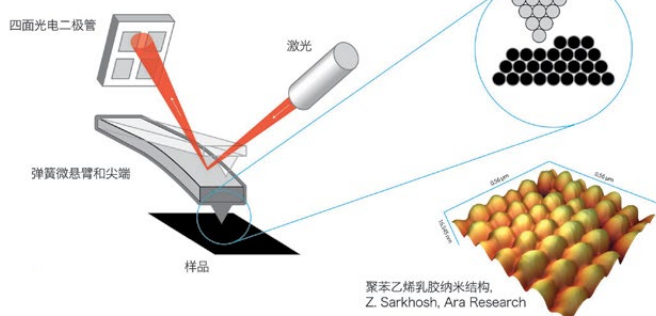
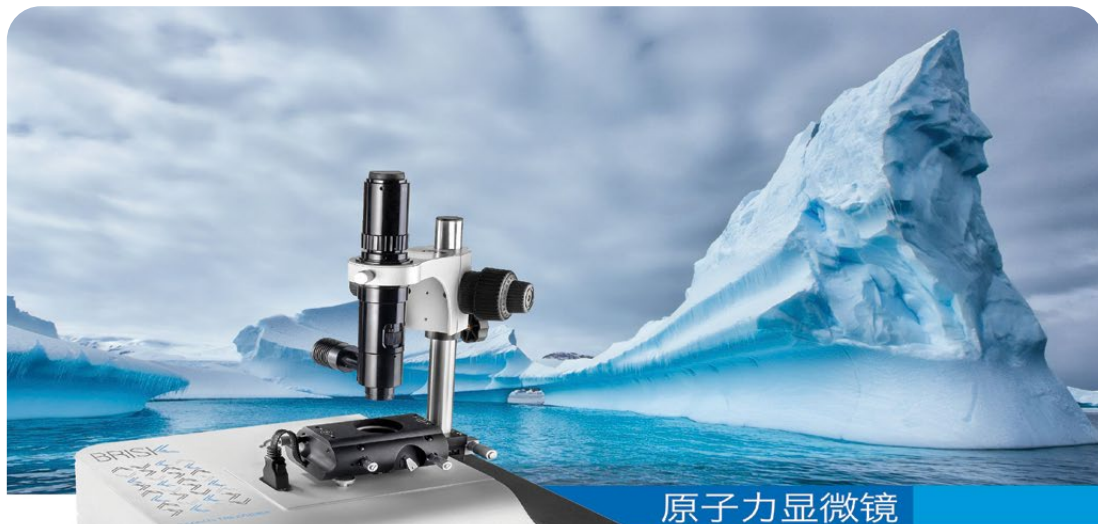


## ARA RESEARCH

Ara Research has 20 years of experience in the production of nanotechnology equipment and has equipped 80 universities, research centers and hospitals with AFMs systems. The company's atomic force microscopes have diverse and non-replicable functional modes.

Ara Research 在生产纳米技术设备方面有着20年的经验,为80所大学、研究中心和医院等配备了AFMs系统。公司的生产的原子力显微镜具有多样、不可复制的功能模式。

### Atomic Force Microscope (AFM Microscope) 原子力显微镜



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## LOTUS

Lotus Co. is a knowledge-based company engaged in the development and manufacturing of advanced electronic sensor technology based on micro-nano manufacturing technology. The company produces MEMS and NEMS sensors, atomic force microscope probes, MEMS accelerometers and gyroscopes, pressure sensors, gas sensors and medical sensors, class 10000 & 1000 clean rooms, lithography equipment, deposition, wet and dry methods Infrastructure such as etching enables the company's experts to manufacture a variety of sensors and equipment to compete with world-class advanced technology.

Lotus智能微纳传感器(IMNS公司)是一家以微纳制造技术为依托,从事先进电子传感器技术开发和制造的知识型公司。功能和能力涵盖广泛的客户,如大学和工业研究。

本公司生产微机电系统和NEMS传感器、原子力显微镜探头、微机电系统加速度计和陀螺仪、压力传感器、气体传感器和医疗传感器、10000 & 1000级洁净室、光刻设备、沉积、湿法和干法蚀刻等基础设施使该公司的专家能够制造各种传感器和设备,与世界级的先进技术竞争。

### Products 产品

- AFM Tip
- MEMS and NEMS sensors
- Nano Electronic Sensors Thermal Conductivity Detector
- MEMS Accelerometers and gyroscope
- Pressure sensors

### Equipment 设备

- Oxidation and Diffusion Furnace
- Deep Reactive Ion Etching
- Thermal Evaporation System
- RF-Sputtering
- Mask Aligner



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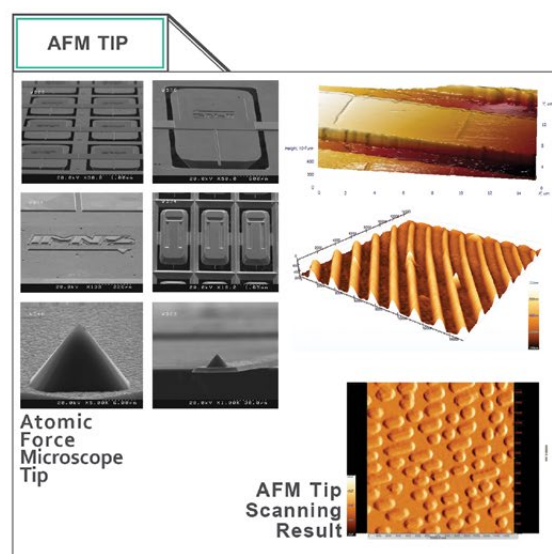
## LOTUS

### ▲ NEMS/ MEMS Sensors AFM TIP 原子力显微镜探针

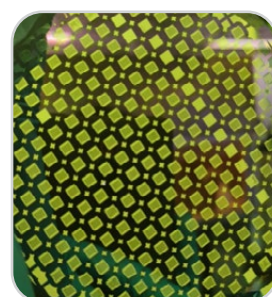
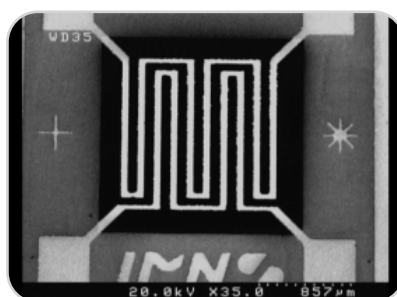
Atomic Force Microscope (AFM) or Scanning Force Microscope (SFM) is a very high-resolution scanning probe microscope (SPM) with a resolution of about nanometers, which exceeds the optical diffraction limit by more than 1,000 times. The advantage of AFM is that it can image almost any type of surface, including polymers, ceramics, composites, glass and biological samples.

原子力显微镜 (AFM) 或扫描力显微镜 (SFM) 是一种非常高分辨率的扫描探针显微镜 (SPM), 其分辨率约为纳米级, 超过光学衍射极限1000倍以上。

AFM的优点是几乎可以对任何类型的表面进行成像, 包括聚合物, 陶瓷, 复合材料, 玻璃和生物样品。



### ▲ Nano Electronic Sensors Thermal Conductivity Detector 纳米电子传感器热导检测器



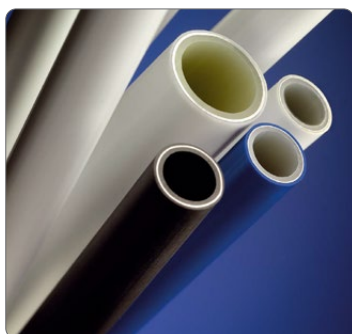
## PARSA POLYMER SHARIF (PPS)

Parsa Polymer Sharif Co. Is One of The Leading Advanced Polymer Compounds Manufacturer with Wide Variety of Products Essential to Everyday Living. Since Its Establishment In 2007, Mission of Parsa Polymer Sharif Co. Has Been to Diligence to Produce the Best Engineering-Designed Plastic Compounds in The Region. Parsa Polymer Sharif Is an Innovative Knowledge Company That Meets the Market's Demands for World-Class End Products.

Parsa Polymer Sharif Co.是领先的先进高分子化合物制造商, 其产品种类繁多, 对日常生活至关重要。自2007年成立以来, Parsa Polymer Sharif Co.一直致力于生产该地区最佳的工程设计塑料化合物。Parsa Polymer Sharif是一家创新知识公司, 可以满足市场对世界一流终端产品的需求。

**PPS's products can be used in the following areas:**  
**PPS公司的产品可应用于以下领域:**

- ▶ car 汽车
- ▶ Household appliances 家用电器
- ▶ pipeline 管道
- ▶ consumer goods 消费品
- ▶ Industries 工业
- ▶ Packaging industry 包装业



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## Nanomaad Pars

Conductive and Anti-Radiation Textiles towards True  
Wearable Technology

导电和抗辐射纺织品走向真正的可穿戴技术

### Productions of Nano Maad Pars

- ❖ Conductive and Semi Conductive Fabric
- ❖ Flexible Electrode
- ❖ Anti Wave Fabric & Clothes
- ❖ X-Ray Protection Fabric
- ❖ Conductive and Semi Conductive Master Batch
- ❖ Heated Fabric & Clothes
- ❖ Anti-Bacterial & Water Replant Material
- ❖ Flame Retardant & Water Replant Material
- ❖ Anti-Static & Water Replant Material



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# MEDICAL 医疗的



## List of Companies 公司名单

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- » SinaRobotics
- » SiMedix
- » ExirNanoSina
- » Barij Essence
- » LOTUS
- » Parmis
- » Maya Slim Aria (Medaria)

# SinaRobotics

SinaRobotics main project is the design, manufacture and development of advanced and innovative medical equipment in the field of medical education, diagnosis, treatment and post-treatment care related to medical robots.

SinaRobotics 主要项目是设计、制造和开发与医疗机器人相关的医学教育、诊断、治疗和治疗后护理领域的先进和创新医疗设备。

## Sina: Robot Remote Surgery System

Sina: 机器人远程手术系统



### Application areas and clinical: 应用领域和临床

- General surgery, urology, gynecology, chest, throat  
普外科, 泌尿科, 妇科, 胸部, 喉咙

### The importance and advantages of using this equipment 使用该设备的重要性和优势

- Improve the accuracy and quality of surgery (zoom and eliminate vibration)  
提高手术的准确性和质量 (缩放并消除振动)
- Perform complex surgery with minimal harm to the patient  
执行复杂的手术, 对患者的伤害最小
- Maintain the ergonomics of the surgeon when sitting and reduce fatigue  
保持外科医生坐时的人体工程学, 并减少疲劳
- Able to keep the surgeon outside the operating room and away from existing infections and radiation  
能够使外科医生在手术室之外并远离现有的感染和辐射

### International Cooperation 国际合作



US Patent  
美国专利数

7



China Patent  
中国专利数

3



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术中心

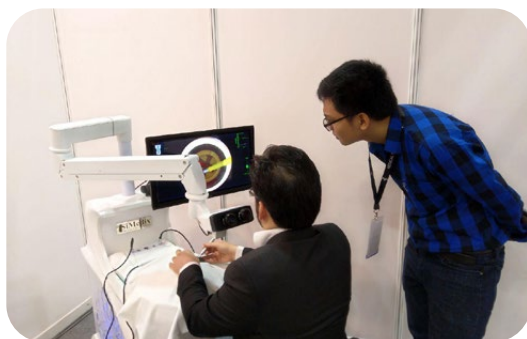


# SiMedix

## Advantage 优势

- ▶ Ability to practice potentially risky scenarios in a safe environment  
在安全的环境中练习潜在风险场景的能力
- ▶ Increases knowledge retention by more exercising  
通过更多的锻炼来提升知识储备
- ▶ Reporting in a more complete, consistent and objective form  
以更完整,一致和客观的形式进行报告
- ▶ Demonstration what students have learned  
示范学生所学的知识

## OpSim: Eye Cataract Surgery Simulator Op Sim: 眼科手术模拟器



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## International Cooperation 国际合作



China



Russia



Singapore



Malaysia



India

# ExirNanoSina

ExirNanoSina strengths lie in:  
lipid-based formulation and scale-up for parenteral, oral and topical  
drugs using liposomes, micelles and nanoparticles to optimize the  
pharmacokinetics of drugs.

公司的强项是脂质体配方以及将脂质体、胶束和纳米颗粒放大应用于  
注射、口服及外用药物，以优化药物的药代动力学。

## SinaCurcumin (纳米胶束姜黄素软胶囊 80mg)



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## SinaDoxosome (盐酸阿霉素脂质体注射液 2mg/ml)



## Sina Ampholish (0.4%两性霉素B纳米脂质体局部用凝胶)

# Barij Essence

BARIJ Essence Co. is active in the field of growing medical plants, producing herbal supplements and distributing its product.

BARIJ Essence Co.从事种植药用植物, 生产草药补品和产品销售

## Barij Rose Oil Barij玫瑰精油

Treatment of otalgia and tinnitus Damask rose (Rose damascena) and sesame oil (Sesamum indicum L.)

治疗耳痛和耳鸣, 大马士革玫瑰 (Rose damascena) 和芝麻油 (Sesamum indicum L.)



## Barij Products Category 产品目录



### Gastrointestinal System



### Respiratory System



### Gynecology and Obstetrics



### Urology



### Glands-Cardiovascular System



### Tonic and appetizer



### Weight Loss



### Strengthening Sexual Powers



### Skin and Hair



### Kids



### Analgesic Musculoskeletal



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## LOTUS

Dissolving micro-needle patch is substrate of polymers that dissolve in vivo blended with active ingredients and molded into the shape of fine needles.

A dissolving micro-needle patch infused with age fighting retinol, peptides, and vitamin C to smooth the appearance of fine lines and wrinkles. Each patch contains many self-dissolving micro-needles that create tiny pathways for age-fighting ingredients. Good for crow's feet, smile lines, forehead wrinkles and eye wrinkles.

The micro-needle technologies, initially meant for medicine, are now opening up a new era in cosmetic development.

可溶性微针贴剂是聚合物的基质,可在体内溶解,与活性成分混合并成型为细针状。

内含抗衰老视黄醇、多肽和维生素 C 的溶解性微针贴片,可抚平细纹和皱纹。每个贴片包含许多自溶性微针,这些微针为抗衰老成分创造了微小的途径适用于鱼尾纹,笑纹,前额皱纹和眼纹。

最初用于医学的微针技术,现在化妆品开发领域开辟了一个新时代。

### Applications of micro needle patches: 微针贴片的应用:

▶ **Anti-wrinkle, Whitening** 抗皱, 美白  
(High Function Cosmetic Patch 高效美容贴片)

▶ **Acne, Atopy, Prurigo nodularis Scar Care Whitening**  
痤疮, 特应性。结节性瘙痒病 疤痕护理 美白  
(Topical Skin Diseases 局部皮肤疾病)

▶ **Diabetes Alzheimer's disease Hormone**  
糖尿病阿尔茨海默氏病激素  
(High-potency Medical Patch 高效能 医疗贴片)

▶ **Influenza Polio, BCG, PPD** 流行性感 脊髓灰质炎 卡介  
(Vaccine Patch 疫苗贴片)



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## Parmis

KIO® provides advanced MR imaging post-processing through the entire site of the innovative medical imaging application "KIO Glob", which can significantly improve the diagnosis process and subsequent evaluation.

3D medical image post-processing Kio Glob is a medical software developed by KIO. This medical software is for professional use only. KIO®在创新的医学成像应用程序“KIO Glob”的整个站点内提供高级MR成像后处理,可显著改善诊断过程和后续评估。

3D医学影像后处理Kio Glob是由KIO开发的医学软件。本医疗软件仅供专业人士使用。

### ➤ Structured Patient Data 结构化患者数据

Connect all relevant data for your patient treatment, including images, documents and various forms tailored to your requirements  
连接用于患者治疗的所有相关数据,包括图像,文档和各种适合您要求的表格。

### ➤ Online Professional Network 在线专业网络

Connect with your colleague to build a medical referral network and share plans and feedback online with advanced commenting tools.  
与您的同事建立一个医疗咨询网,并使用高级评论工具在线共享计划和反馈。

### ➤ Advanced Online Viewer 高级在线查看器

View 2D and 3D images from multiple modalities including MPR reconstructions, 3D volume rendering and measurement tools.  
从多种模式查看2D和3D图像,包括MPR重建,3D体积渲染和测量工具。

### ➤ KIO Application Integration KIO应用集成

Integrate powerful treatment and planning tools from KIO to get the most out of patient images and obtain comprehensive information.  
集成来自KIO的强大治疗和计划工具,以充分利用患者图像并获取全面的信息。

### ➤ Access on the Go 随时随地访问

Securely access patient data from your iPhone or iPad and Android. View MRs, CTs, X-Rays, and documents, and share them to collaborate with colleagues.  
从您的iPhone或iPad和Android安全访问患者数据。查看MR, CT, X射线和文档,并共享它们以与同事协作。

### ➤ KIO Supports Clinical Studies KIO支持临床研究

Fast and easy to quantification apps 快速简便的定量应用程序  
Clinical data collection, enrichment and analysis 临床数据收集,充实和分析  
Collaboration between different clinical facilities 不同临床机构之间的合作



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## Maya Slim Aria (Medaria)

Medaria is a medical device company that focuses on anti-aging fields such as beauty, dermatology, gynecology, urology and dentistry.

Medaria是一家医疗器械公司，专注于抗衰老领域，例如美容，皮肤学，妇科，泌尿科和牙科。

The main areas of Medaria are Medaria 主要领域有

- ▶ Gynecology: vaginal tightening  
妇科：阴道紧缩
- ▶ Urology: erectile dysfunction  
泌尿外科：勃起功能障碍
- ▶ Ophthalmoplasty: non-surgical blepharoplasty  
眼成形术：非手术性眼睑成形术
- ▶ Aesthetic medicine: skin tenderness  
美容医学：皮肤嫩
- ▶ Fitness and physiotherapy: partial slimming  
健身与理疗：局部瘦身



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# IT&IoT & AI



## List of Companies 公司名单

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- » PART Artificial Intelligence Research Center
- » PADVISH
- » Bridge to Tomorrow (Rayboard)
- » HPDS



# PART Artificial Intelligence Research Center

Part Software Company's applications offer a variety of services in Following areas :

Part Software Company的应用程序在下列领域提供各种服务：

- Finance and fintech 金融与金融科技
- image processing 图像处理
- Entertainment 娱乐
- artificial intelligence (AI) 人工智能
- machine learning (ML) 机器学习



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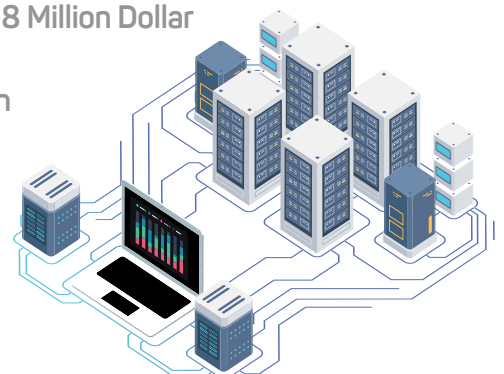
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## Part Co. National Success: 国内成就

- Number of users: 7 million users  
用户数量：700万用户
- Number of organizations we cooperate with: more than 100 organizations  
与我们合作的组织数量：100多个组织
- Company income in the year 2020: More than 8 Million Dollar  
2020 年公司收入：超过800万美元
- Has the largest artificial intelligence team in Iran  
拥有伊朗最大的人工智能团队
- The largest capital market company in Iran  
伊朗最大的资本市场公司
- Top National Entrepreneur  
顶级全国企业





# PADVISH

## Advantage 优势

Padvish Antiransomware can protect system data from attacks and protect your system with its advanced multi-layer technology without daily updates.

Padvish提供防病毒软件包,帮助用户抵御勒索病毒、恶意软件等,保护商业交易、数据和网络安全。

在感染了ransomware并对系统信息进行加密后,无法检索数据,但Padvish Antiransomware能够保护您的系统数据免受这些攻击,并且凭借其先进的多层技术保护您的系统,无需每日更新。

The product multi-layer mechanism obtained the AVTest certification of %100 Ransomware detection rate from Germany.

这种多层机制已经通过了德国反病毒测试实验室100%的软件检测认证



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### Ransomware Test of Padvish AntiCrypto

Date of the Report: October 16<sup>th</sup> 2017, last update December 15<sup>th</sup>, 2017

#### Introduction

Padvish commissioned AV-TEST to perform a dedicated Ransomware test of the product Padvish AntiCrypto.

The tested categories are as follows:

- PROTECTION
  - Detection of Real-World Ransomware
  - Detection of simulated Ransomware attacks
- FALSE POSITIVE TESTING
  - False Detection of typical user-behavior, like
    - Copying files
    - Packing/unpacking files

The tests have been carried out in September 2017 on Windows 10 RS2 (English) 64-Bit. The version of Padvish AntiCrypto was 1.5.108.619.

#### Methodology

##### Platforms

All tests were performed on actual physical machines. No Virtual Machines were used. All tests for a defined operating system were carried out on devices with identical hardware configurations as described below. The operating system used was Windows 10 RS2 (English), 64-bit.

##### Testing Approach

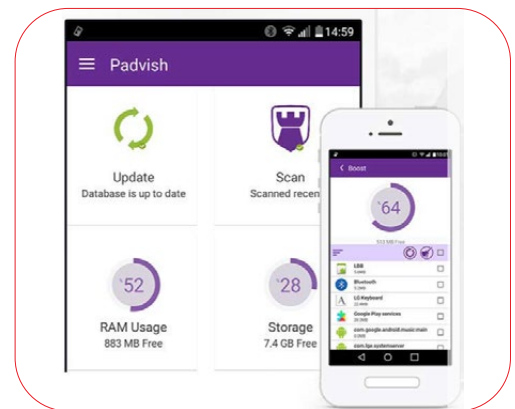
There are a few generic principles that were followed:

- (1) **Physical devices.** The test devices used were physical devices. No Virtual Machines were used.
- (2) **Product cloud/Internet connection.** The Internet was available to all tested products.
- (3) **Product configuration.** All products were run with their default, out-of-the-box configuration.
- (4) **Clean device for the start of the test.** The test devices were restored to a clean state before testing the malware samples.
- (5) **Sample cloud/Internet accessibility.** If the malware used the internet connection to reach other sites in order to download other files and infect the system, care was taken to make sure that the cloud access was available to the malware sample in a safe way such that the testing network was not under the threat of getting infected.

##### Protection Test

The detection test measured the protection against real-world ransomware and simulated attacks by using typical ransomware behavior.

## Anti-ransomware



**Padvish® AntiCrypto™**  
Your Data is Valuable, We Protect Them



Germany

CERTIFICATE



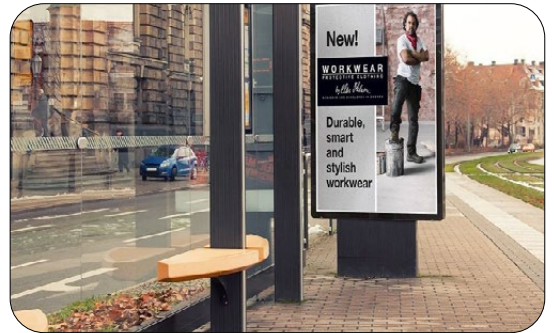


## Bridge to Tomorrow (Rayboard)

RayBoard is a special and cloud-based digital form of communication to transferring information for specific audience via screens, this is possible at any location and anytime and the communication is fully tailored to your audience

RayBoard是一种特殊的基于云的数字通信形式, 可以通过屏幕为特定受众传递信息, 这可以在任何位置, 任何时间进行, 并且完全根据您的受众量身定制

### RayBoard: cloud based digital signage solution 基于云的数字标牌解决方案



#### Advantage 优势

- Multi platform solution that can run on any operating systems like Linux Windows and Android and etc.  
可以在任何操作系统 (例如Linux Windows和Android等) 上运行的多平台解决方案。
- RayBoard is really easy to use, just by going through Rayboard site and sing can use the product.  
RayBoard 非常易于使用, 只需通过Rayboard网站登录即可使用。
- customization is really important part of Rayboard solution so you can customize the look of your signage and also you can use or add lots of built-in widgets.  
自定义是Rayboard解决方案的重要组成部分, 因此您可以自定义标牌的外观, 还可以使用或添加许多内置小部件。



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# High Performance Data Storage and Processing (HPDS)

## HPDS SANGold Pro



### Advantage 优势

- ▶ %99.99999 Availability
- ▶ More that 500K IOPs data access speed
- ▶ Two separate controllers within two completely separate mainboards
- ▶ Redundancy in all software and hardware layers
- ▶ Intelligent storage device with advanced features
- ▶ Highly competitable against leading brands
- ▶ 24x7 direct manufacturer support
- ▶ Disaster data recovery
- ▶ High security in storing organization data
- ▶ Complete device performance guaranty.



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# INDUSTRIAL MACHINERY 工业机械



## List of Companies 公司名单

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- » Durali System Design & Automation Company (DSDA)
- » Paya Sanaat Sama



DURALI SYSTEM DESIGN & AUTOMATION CO.

# Durali System Design & Automation Company (DSDA)

DSDA is capable of finding solutions for technical problems of the customers based on its acquired Knowledge and Experience.

DSDA 公司”的成立旨在满足客户的工程和创新需求。

## DSDA Projects

- Design and supplying erection system for steel linings of Pressure and Surge Shafts of UmaOya HPP Project

UmaOya水电站项目压力和调压井 (Surge shaft) 的钢衬里安装系统的设计与供应



A new method was proposed for steel-lining of penstocks of hydropower plants; The lining time was reduced more than 7 folds with respect to the established method; The grouting process for the shaft reinforcement was done continuously for all the 620 m length of the penstock; no serious or fatal injuries happened; The cost of the project reduced dramatically with respect to the European companies

- Design & Supply of Erection System for Penstocks of Inclined Pressure Shaft of Siah Bishe Pump Storage Power Plant

Siah Bishe抽水蓄能电站斜压井压力杆安装系统的设计与供应



Design and supply of erection system for penstocks of inclined pressure; shaft of siah bishe pump storage power plant; 68 pieces of 9 m pipes in 5 m diameter; In 2 inclined tunnels of 68 degrees for a pumped storage power plant (PSPP); A 14 m long machine; with 14 Degrees of Freedom; used for both tunnels alongside 2 welding platforms for each carried on a rail; The lining of the penstocks was completed in less than 14 months; The design and manufacturing of the machines took place around 12 months; The method introduced reduced the cost and penstock lining drastically; the welding repairs were less than 6%; Special rescue routes had been foreseen; no serious or fatal injury occurred



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International  
Cooperation  
国际合作



Sri Lanka



US Patent 美国专利数

3 Approved

3 in process  
(Filing)



## Paya Sanaat Sama

Paya Sanaat Sama Company was established by couple groups of mechanical, metallurgical and electronic engineering on December 2007. • The board of directors has had the background of 15 to 22 years of work-related engineering and participated in several private companies in different posts such as supervisor, manufacturing management, R&D engineering and managing executive.

Paya Sanaat Sama公司成立于2007年12月,由机械、冶金和电子工程等多个部门组成。• 董事会成员具有15至22年的相关工程背景,曾在多家私营公司担任过主管、制造业 管理人员、研发工程和管理执行等不同职位

### COLD COMPRESSION STRENGTH TEST OF PELLETS

颗粒的冷压强度测试

#### FEATURES

- ▶ Full automatic  
全自动
- ▶ Able to be calibrated in 10 spots  
可在10个点校准
- ▶ Receiver of about 1000 data from load cell per second  
每秒从称重传感器接收大约1000个数据
- ▶ Representing average, variance and standard deviation numbers  
显示平均值、方差和标准偏差数
- ▶ Determining of maximum amount of received data from load cell per second  
确定每秒从称重传感器接收的最大数据量
- ▶ Usable for briquette, catalyst and sponge iron  
可用于煤球、催化剂和海绵铁
- ▶ High calibration accuracy with the error less than 1 gram  
校准精度高,误差小于1g



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# LAB INSTRUMENTS 实验室仪器



## List of Companies 公司名单

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» TAVANA

» LOTUS



# TAVANA

TAVANA is a well-known distributor of scientific laboratory equipment

TAVANA 公司是知名的科学实验室设备经销商

## Tavana Scientific Research Laboratories

TAVANA公司在这些区域提供常规和特殊实验室设备

- |                              |                         |
|------------------------------|-------------------------|
| ▶ Nanotechnology Lab         | 纳米技术实验室 (55 Equipment)  |
| ▶ Materials Science Lab      | 材料科学实验室 (119 Equipment) |
| ▶ Pharmaceutical Lab         | 制药实验室 (77 Equipment)    |
| ▶ Physics Lab                | 物理实验室 (255 Equipment)   |
| ▶ Electrical Engineering Lab | 电气工程实验室 (247 Equipment) |
| ▶ Biotechnology Lab          | 生物技术实验室 (39 Equipment)  |
| ▶ Mechanical Engineering Lab | 机械工程实验室 (229 Equipment) |
| ▶ Mining Engineering Lab     | 采矿工程实验室 (69 Equipment)  |
| ▶ Chemical Engineering Lab   | 化学工程实验室 (242 Equipment) |
| ▶ Chemistry Lab              | 化学实验室 (7 Equipment)     |
| ▶ Civil Engineering Lab      | 土木工程实验室 (127 Equipment) |



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International  
Cooperation  
国际合作



Oman



Kenia



Iraq



Cuba



China



Ecuador



Bolivia

## LOTUS

Lotus Intelligent Micro/ Nano sensors is a knowledge-based company in the field of technology development and manufacture of advanced electronic sensors, relying on Micro-Nano Fabrication technology. The company hired specialists in the field of manufacturing of various types of micro-sensors and semiconductors and also developed high-precision equipment, oxidation furnaces, sputtering systems, and other devices that are essential for the manufacturing sensors.

Lotus智能微纳传感器是一家以微纳制造技术为依托,从事先进电子传感器技术开发和制造的知识型公司。本公司聘请了各种微型传感器和半导体制造领域的专家,还开发了高精度设备氧化炉、高精度设备、氧化炉、溅射系统和其他制造传感器所必需的设备。

### Nanofabrication Equipment

纳米加工设备



▶ Thermal Evaporation System (PVD)



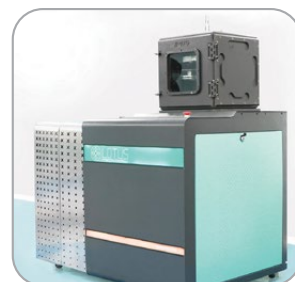
▶ Oxidation and Diffusion Furnace



▶ Deep Reactive Ion Etching (DRIE)



▶ Mask Aligner



▶ RF-Sputtering



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# WATER & WASTE WATER

## 水和废水



## List of Companies 公司名单

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- » Danesh Pajhohan Sanat Nano (DPSN)
- » Payamavaran Nano Fanavar (PNF)

# Danesh Pajhohan Sanat Nano

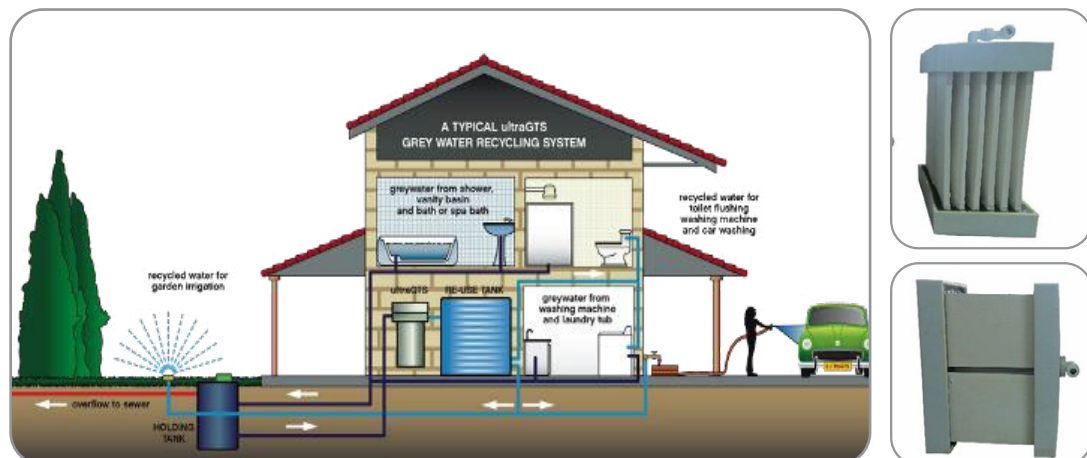
## Water treatment system 水处理系统

In DPSN gray water treatment systems, gray water is treated using multichannel platelet nanostructure ceramic a hybrid membrane process. Pore size of the applied ceramic membranes are engineered in nanometric scale to obtain high quality water for recycling in industrial applications, washing in domestic applications and agriculture consumptions. The used ceramic membranes in these systems are guaranteed for long times (5-10 years) with low fouling problems by applying intervallic back washing services.

在DPSN灰水处理系统中,通过混合膜工艺使用多通道平板式纳米结构陶瓷膜对灰水加以处理。所使用的陶瓷膜的孔径尺寸已设计成纳米级别,实现从工业应用、家用洗涤和农业用水中回收优质水。该系统中所使用的陶瓷膜的寿命可保证5至10年,而且可通过应用间歇反洗服务实现低污染。

### Technical advantages 优势

- ◇ High compact treatment systems
- ◇ More than 70 % water recycling
- ◇ Reducing of water consumption
  - More than 50% in domestic systems
  - More than 70% in industrial systems
- ◇ Disinfection without the carcass of microorganisms
- ◇ Guarantee of membranes for long times
- ◇ High automation of treatment systems
- ◇ Simple and economic treatment systems
- ◇ Applicable for gray waters in various ranges of pH and TDS/EC
- ◇ 紧凑型处理系统
- ◇ 水回收率高达70%
- ◇ 降低耗水量
  - 家用系统降低50%
  - 工业系统降低70%
- ◇ 杀菌,且无微生物残留
- ◇ 膜的使用寿命长
- ◇ 处理系统高度自动化
- ◇ 处理系统简易、经济
- ◇ 适用于处理不同范围酸碱值、总溶解浓度、电导率的灰水



## Payamavarar Nano Fanavar (PNF)

Innovative technologies in the field of water and waste water treatment

水和废水处理领域的创新技术



➤ Nitrate Removal  
硝酸盐去除系统



➤ Heavy Metal Removal  
重金属去除系统



➤ Desalination  
脱盐、淡化



➤ Ozonation  
臭氧处理



➤ Nano Bubbling  
纳米气泡



➤ Water Vending  
Machine  
水自动售货机



➤ Oily Waste water  
Treatment  
含油废水处理



➤ Textile Waste  
water Treatment  
纺织废水处理



# PAINT 画



## List of Companies 公司名单

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- » RANGIN NANO SAKHTAR (RANS)
- » KARANGIN



# RANGIN NANO SAKHTAR (RANS)

RANS Co, is using electrostatic powder coating engineering knowledge as well as the properties of Nano particles to produce its products.

RANS 公司, 基于对静电粉末涂料工程知识及对纳米颗粒性能的研究。

PATENT

RANS 1400 water-based antibacterial coating

RANS 1400水性抗菌涂料  
(用于纸和纸板)



## Other Products 其他产品

- ▶ Corrosion and rust – resistant Nano- structure electrostatic powder coating  
耐腐蚀防锈纳米结构静电粉末涂料
- ▶ Nano-structure shining electrostatic powder coating  
纳米结构发光静电粉末涂料
- ▶ Self-cleaning Nano- structure electrostatic powder coating  
自净纳米结构静电粉末涂料
- ▶ Anti-scratch (incrustation)  
Nano-structure electrostatic powder coating  
防刮擦 (水垢) 纳米结构静电粉末涂料
- ▶ Nano structure rust converter coating  
纳米结构锈迹转换涂料



US Patent  
美国专利数

3

Switzerland  
patent

3



China Iran House  
of Innovation  
and Technology  
中国伊朗创新技  
术中心



# KARANGIN

These coatings are produced with water-Base resin bases and after drying create soft layer Which resistant against water, sunlight and Weathering. One of the other properties of these coatings is rodent-repellent potential that keeps safe the surfaces against attacking by such animals.

This product protect flammable surfaces by heavy gases and incombustible vapor when exposed to the flame and prevents from flaming penetration on vertical and horizontal surfaces. Similarly, these protective coatings are resistant to chemical agents e.g. detergents and oil solvents and oils etc. and are known under trade name Karafas A.

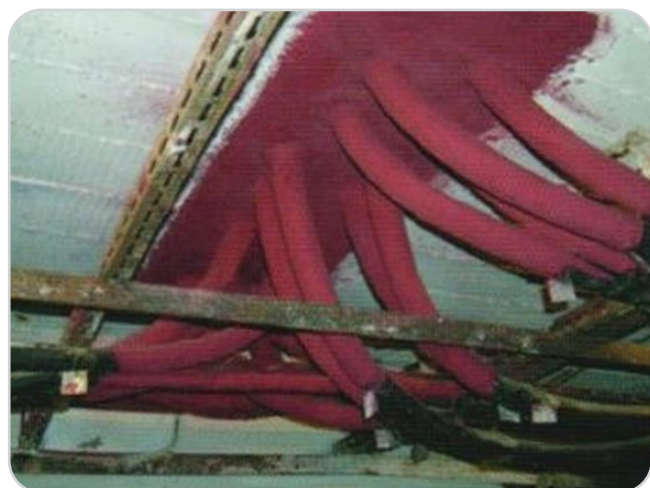
这些涂层是用水基树脂碱生产的,干燥后形成柔软的层,耐水、耐阳光和耐候。这些涂层的其他特性之一是具有驱鼠潜力,可以使表面保持安全,不受这些动物的攻击。

本产品暴露在火焰中时,用重气体和不可燃蒸气保护易燃表面,并防止在垂直和水平表面上燃烧渗透。同样,这些保护涂层也能抵抗化学药剂。洗涤剂、油溶剂和油等。以商品名Karafas A而闻名。

## Products 产品

- Fire Stop Coating 防火涂料
- Intumescent Coating 膨胀涂层
- Fire proof panels 防火板
- Fire proof sealing tapes 防火密封
- Fire proof blocks 防火路障
- Fire proof spray 防火喷雾
- Fire proof cloth and textiles 防火布和纺织品

### Fire Stop Coating 防火涂料



# **Silk Road** In The Past **High Tech Road** In The Future

回顾过去, 丝绸之路贯通中西  
放眼未来, 高科技之路大放异彩



**AMIR GHORBANALI**

Director of China Iran House of Innovation and Technology

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