

# 中国 辽宁

## 辽阳市对外经济技术合作项目介绍

An Introduction  
TO Foreign Economic And Technology  
Cooperation Of Liaoyang  
Liaoning China

辽阳市对外经济贸易委员会

The Commission  
of Foreign Economic Relations and  
Trade of Liaoyang

尊敬的外国企业商业家先生们；  
尊敬的港澳华侨同胞们

辽阳是一座新兴的工业城市。它位于辽东半岛的中部，有着悠久而文明的历史，这里的矿产资源非常丰富，工业门类比较齐全。1988年国务院批准辽东半岛对外开放以来，我们不断改善投资环境，充分享受开放区的一切优惠政策。辽阳人民在改革开放中励精图治，有志境外友人来辽阳洽谈经济、交流技术，友好往来络绎云集。因此，辽阳市的外向型经济正在蓬勃地发展。

现在，介绍给大家的这本小册子，是我市部分企业在技术改造中，希望与境外友人精诚合作的项目意向，除了我们提出的项目意向外，你们还有什么合作意向也欢迎提出，以便我们在平等互利的原则下协商。除此之外我们将随时温酒以待，欢迎朋友们来辽阳作客，考察观光。

## Perface

Dear sirs, foreign businessmen,

Dear overseas Chinese compatriots from Hong Kong, Macao and Taiwan,

Liaoyang- a developing and industrial city, is located at the middle of Liaodong Peninsula, with a long history of civilization. It is very rich in mine resources and has a complete kind of industries. Since "Opening Liaodong Peninsula" was approved by the State Council in 1988, we have been continuous to improve the investing conditions and shared all of the favoured policies for the opening area. People of Liaoyang tried to administer it well, the friends with lofty ideals came to Liaoyang outside for economic and trading negotiations and for exchange of technology, exchange of friendly visits. These are more and more as clouds, so the open economy is flourishing to develop in Liaoyang.

The leaflet here shows you the intention projects cooperated with friends outside in technology transformation by some enterprises of Liaoyang. Welcome to pose your intention projects in order to discuss each other in the principle of equality and mutual benefit. Besides, we are ready to welcome friends with warm spirits to come to Liaoyang for guests' investigation or tour.

# 目 录

## CATALOGUE

模具技术中心

Mould & Die Technology Center.....2

空气弹簧生产线

The Air Spring Production Line.....6

塑料封装二极管

The plastic-sealed diode.....10

楔形电容器技术设备

Technique and Equipments for the Wedge Capacitors.....12

引进彩色电视机开关电源变压器生产设备

Introducing equipments for colour TV switching power transformer.....14

电力电子塑封晶体管

The plastic molded transistors used in electronic and Power industry.....17

引进开关电源生产线

Introducing a production line for switching power.....20

生产仪表及元件(石油、节能、智能、汽车等方面的仪表)

Production of instruments and elements (in petroleum, energy saving, computer brain and automobile etc.....22

改造老湿抄机, 引进新设备。

Transformaton of the old wet board former.....25

刺绣生产线

A Production line For Embroidery.....28

钩编机

Crocheting machines.....30

聚氨酯合成革基布生产线

A production line for basic cloth of polyurethane synthetic leather.....32

生产各种口径水表

Production of varied calibre water meters.....35

锰矿来料加工合作

Cooperation for processing with incoming manganese ore .....38

非织造布生产线

Production line for non-woven fabric.....40

生产壬基酚

Production of Nonyl phenol.....42

1、环戊酮 2、二氢茉莉酮酸甲脂

1.Cyclopentanone 2.Dihydro-methyl jasmone acid.....44

HDDE,LDPE塑料包装材料

HDDE, LDPE, plastic package materials.....47

苯胺生产线

Production line for aniline.....50

2,4—二特丁基苯酚

2,4-special dibutyl phenol.....53

1500吨柠檬酸生产线

A Production line for citric acid.....56

改建针织内外衣生产线

Rebuilding production line for knitted clothes and underwe-  
ars .....59

对氨基苯酚生产线

A production line for paraaminophenol.....62

20呎、40呎集装箱

Production of 20ft, 40ft containers.....65

熟料窑外分解窑水泥生产线

A production line for kilnout-decomposition cement of  
heat materials with daily output of 2,000 tons.....68

# 中国 辽宁

## 辽阳市对外经济技术合作项目

**项目名称:** 模具技术中心

**企业名称:** 辽宁无线电一厂

### 一、企业概况:

本厂是省电子行业重点厂之一。拥有职工1700人,工程技术人员217人,工程师50人;固定资产1263万元。净产值873万元;占地面积134000平方米,建筑面积48052平方米;厂房25000平方米,地处辽宁中部。从事模具生产已有三十多年历史,为了发挥现有优势,扩大模具生产能力,愿意遵循我国有关外贸政策及有关法令,积极开展对外合作业务,欢迎外国公司和贸易界人士前来洽谈,早日结成合作伙伴。

### 二、合作意向:

- 1、邀请国外模具设计制造专家来厂技术指导和培训;
- 2、引进部分模具技术和精加工设备;
- 3、共同经销模具和塑料模架生产;
- 4、共同经销塑料制品。

### 三、中方可提供条件:

土地86000平方米,厂房2900平方米;机加设备146台。引进大型注塑成型机2台;

电: 85万度/年,水: 295075吨/年。

### 四、双方投资比例各50%产品外销50%

### 五、合作方式: 合资经营、合作生产。

**联系单位:** 中国辽宁辽阳市对外经济贸易委员会外资料

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# A PROJECT OF FOREIGN ECONOMIC AND TECHNOLOGY COOPERATION OF LIAOYANG LIAONING CHINA

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Name of the project: Mould & Die Technology Center

Name of the enterprise: Liaoning First Radio Factory

1. Enterprise Description:

The factory is one of the key enterprises in the electronic field in Liaoning province. It is located at the center of Liaoning province, with a history of more than 20 years on manufacturing moulds and dies. In order to develop our present advantages and strengthen the capabilities of our manufacturing moulds and dies, we are willing to make a cooperation with a enterprise abroad in accordance with the policies and the laws of foreign trade. Businessmen from the enterprises abroad are warmly welcomed to our factory to negotiate on this project, and we are looking forward to enter into the partnership with you.

The factory has staffs and workers of about 1,700 persons, 217 of engineering technical personnel, including 50 engineers.

Fixed capital is about 12,630,000 RMB yuan, and the net output value is about 8,730,000 RMB yuan.

The area of the factory covers 134,000m<sup>2</sup>, building floor space is 48,052m<sup>2</sup>, workshop floor space is 25,000m<sup>2</sup>.

2. Cooperative Intention

1) . Invitation of specialists for mould design and manufacture from abroad to our factory in the purpose of technical instruction and training.

2) . Introduction of some parts of the mould techni-

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que and some precise process equipment.

3) . Each side goes shares in making markets for moulds and mould frames for plastic injection mould.

4) . Each side goes shares in making market for plastic moulded products.

### 3. Condition provded by China's Side

Area of the site; 86,000M<sup>2</sup>

Workshop floor space; 2,900M<sup>2</sup>

Machining equipment; 146 sets

Plastic injection moulding machines; 2 sets (of large size)

### 4. Trade Forms

Joint venture, joint management and joint production.

Contactor; Foreign Investment section,

The Commission of Foreign Economic Relations and Trade of Liaoyang

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# 中国 辽宁

## 辽市阳对外经济技术合作项目

**项目名称:** 空气弹簧生产线

**企业名称:** 辽宁减震器厂

**企业概况:**

1、工厂自然条件: 占地面积 $22,300\text{m}^2$ ; 建筑面积 $8,370\text{m}^2$ , 厂址地处市区, 公路运输方便。

2、设备占有量: 主要设备183台。其中炼胶机、平板硫化机等专用设备38台; 金属切削机床等通用设备50台; 锅炉变压器等动力设备45台; 拉力试验设备45台; 各种汽车5台。

3、公用设施: 原有变压器容量560KVA, 允许使用320KVA日电耗量2,100度; 日耗水量: 280吨/日, 年耗煤量, 3,700吨/年。

4、职工人数: 628人, 工程技术人员32人。

5、产品种类: 汽车用复合膜式或滚膜式空气弹簧、减震器以及通用机械减震用囊式空气弹簧减震器。

**合作意向:**

1、产品名称

a、汽车用复合膜式空气弹簧减震器

规格:  $\phi 200\text{mm}$  规模: 6000只/年

b、通用机械减震用囊式空气弹簧减震器

规格与规模:

有效直径 $\phi 50\text{mm}$ 双曲囊式产量2000只/年

有效直径 $\phi 120\text{mm}$ 单曲囊式产量5000只/年

有效直径 $\phi 250\text{mm}$ 单面曲式产量5000只/年

有效直径 $\phi 120\text{mm}$ 双曲式产量9000只/年

有效直径 $\phi 250\text{mm}$ 双曲囊式产量9000只/年

c、高度调节阀

规模: 3585只/年

d、激发实验台座

规模: 100台/年

e、空气弹簧减震器装置 规模: 5套/年

2、中方可提供条件:

土地: 5000m<sup>2</sup>; 厂房: 2000m<sup>2</sup>; 设备: 空气压缩机

热处理箱式电炉、盐浴电炉、电镀设备、冲床等。

公用设施: 电650~700KVA; 水600吨/日;

蒸汽4吨/小时

3、希望外方提供条件。

设备明细表 (从国外引进)

№	设备名称	数 量	№	设备名称	数 量
1	胶料挤出机	2	9	水胎膜模具	1
2	钢丝涂胶机	一套	10	钢丝圈成型机	1
3	胶囊成型机	4	11	胶片、帘布裁断机	1
4	成型鼓	11	12	下料样板	9
5	硫化机	4	13	荷载复形试验装置	1
6	硫化液压装置	2	14	疲劳试验机	3
7	模 具	11	15	硫变仪	1
8	水胎膜压机	1	16	小型锅炉	1

技术条件: 要求达到八十年代国际先进水平。

4、双方投资比例各占50%左右; 产品返销50%左右。

5、合资经营、合作生产、补偿贸易, 小额度单机引进。

联系单位: 中国辽宁省辽阳市对外经济贸易委员会外资料

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# A PROJECT OF FOREIGN ECONOMIC AND TECHNOLOGY COOPERATION OF LIAOYANG LIAONING CHINA

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Name of the project: The Air Spring Production Line

Name of the enterprise: Liaoning Damper Factory.

General description of the factory:

1. Natural condition of the factory: It covers an area of 22,300m<sup>2</sup> and a building area of 8,370m<sup>2</sup>. It locates at the city, and has a convenient transport conditions.

2. Existing equipments: The main equipments are 183 sets, in which, 38 sets special-purpose equipments for the refining rubber machines and the flatted vulcanization machines, etc.; 50 sets general-purpose equipments for the metal cutters, etc.; 45 sets power equipments for boilers and transformers etc.; 45 sets testing pull force equipment, and 5 vehicles.

3. Utility facilities: The capacity of existing transformer: 560KVA, allowable daily power consumption: 2,100KWA; Daily water consumption: 280 tons; annual coal consumption: 3700 tons.

4. Staffs and workers amount: 628 (including 32 engineers and technicians).

5. Product kinds: The compound diaphragm and rolling diaphragm air spring damper for vehicles, and the bellow air spring damper for general machinery.  
Cooperative intention:

6. Product name: 1) The compound diaphragm air spring damper for vehicles.

Specification:  $\phi 200\text{mm}$ , Capacity of production:

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6,000pcs./year.

2) .The bellow air spring damper for general machinery.

Specifications and capacity of production:

50mm ED-2 convolute 2000/year

120mm ED-1 convolute 5000/year

250mm ED-1 convolute 5000/year

120mm ED-2 convolute 9000/year

250mm ED-2 convolute 9000/year

3) .The height adjusting valve.

capacity of production: 3,585 pcs/year.

4) .The laser testing base.

capacity of production: 100 sets/year.

5) .The air spring damping device.

capacity of production: 5 sets/year.

2. The conditions provided by Chinese party.

The site area: 5,000m<sup>2</sup>, the building(or workshop): 2,000m<sup>2</sup>. The equipment: the air compressor, the box electrical furnace for heating treatment, the salt bathing furnace, the electroplating equipment, and the punchpress, etc. Utility facilities:

Electricity: 650-700KVA, Water: 600 tons/day,

Steam: 4 tons/h.

3. The conditions provided by foreign party.

Equipments: The factory wishes to introduce some key equipments from abroad.

A list of introduced equipments:

NO.	Name	Quantity
1.	Rubber material extruder	2
2.	Steel wire coating rubber machine	1
3.	Bellow reshaping machine	4
4.	Formers for building carcass	11

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NO.	Name	Quantity
5.	Vulcanization machine	4
6.	Hydraulic device for vulcanization	2
7.	Moulds	11
8.	Presser for water tyre film	1
9.	Water tyre film mould	1
10.	Steel wire ring former	1
11.	Film and cord fabric cutter	1
12.	Sample plate for cutting material	9
13.	Load deflection testing device	1
14.	Fatigue testing machine	3
15.	Vulcanization measuring apparatus	1
16.	Small boiler	1

Technology level; Above equipments should reach the international advance level of 1980s.

4. Each party would invest 50%, and 50% of the products would be sold to abroad.

5. Trade forms; Joint-venture; co-operative management; and co-operation production.

Contact: Foreign Investment Section

The Commission of Foreign Economic  
Relations and Trade of Liaoyang

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# 中国 辽宁

## 辽阳市对外经济技术合作项目

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**项目名称：**塑料封装二极管

**企业名称：**辽阳第二晶体管厂

**企业概况：**

1、工厂自然条件：占地面积：10,000m<sup>2</sup>；建筑面积：8,247m<sup>2</sup>；

2、设备占有量：主要设备台数：154台

3、公用设施情况：电320KVA

4、职工人数340人，其中工程技术人员30人。

5、产品种类：硅大功率塑封三极管、锗大功率金属封装三极管硅玻璃钝化封装二极管。

**合作意向：**

1、合资、合作生产塑封装二极管，型号1N4001—4007

规模：年产2000万—4000万只。

2、厂方可提供条件：

厂房1000m<sup>2</sup>，二极管有关设备，公用设施水、电、气等能源满足供应。

3、希望对方提供条件：

①塑封压注机、塑封模具、胶机和打印机等设备。

②产品全部或大部外销

4、合作方式：合资经营、补偿贸易、来料加工。

**联系单位：**中国辽宁省辽阳市对外经济贸易委员会外资料

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# A PROJECT OF FOREIGN ECONOMIC AND TECHNOLOGY COOPERATION OF LIAOYANG LIAONING CHINA

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Name of the project: The plastic-sealed diode

Name of the enterprise: Liaoyang Second Transistor Factory.

General description of the enterprise:

1. Natural condition of the factory: It covers an area of 10,000m<sup>2</sup>, with a building area of 8,247m<sup>2</sup>.

2. Existing main equipments: 154 sets.

3. Utility facilities: Power supply: 320KVA.

4. Numbers of staffs and workers: 340 in total, including 30 engineers and technicians.

5. Product kinds: High-power plastic molded silicon transistor, High-power metal molded germanium transistor, and glass passivation molded silicon diode.

Cooperating purpose:

1. Producing IN 4001-4007 type plastic molded diode by joint venture and cooperation  
output: 20,000,000 PCS. 40,000,000 PCs/year.

2. Condition provided by chinese party:

Workshop 1000m<sup>2</sup>, equipments for producing diodes, water, electricity etc. utility facilities can be full offered.

3. Condition provided by foreign party:

1) Equipments: The plastic molded presser, the plastic mouldes, glue-coating machine and stamp machine, etc.

2) All products or the greater part of products should be sold to abroad.

4. Trade ways: Joint venture, make up trade, and processing with incoming material from abroad.

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# 中国 辽宁

## 辽阳市对外经济技术合作项目

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**项目名称:** 楔形电容器技术设备

**企业名称:** 辽阳电子陶瓷总厂

**企业概况:** 我厂是从事瓷介电容器生产的全民企业,拥有固定资产1300万元,年生产能力14450万只,职工1200多人,技术人员140人,其中:高级工程师3人,中级50人,助理39人,技术员48人,独立变电所一座,容量1000KVA。

**合作意向:**

1、中方可提供条件: 厂房500m<sup>2</sup>、能源、动力及劳务。

2、希外方提供条件: 设备、技术、生产木契形电容,年产10,000万只。

**合作方式:** 合资经营

**联系单位:** 中国辽宁省辽阳市对外经济贸易委员会外资料

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# A PROJECT OF FOREIGN ECONOMIC AND TECHNOLOGY COOPERATION OF LIAOYANG LIAONING CHINA

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Project name: Technique and Equipments for the Wedge Capacitors.

Enterprise name: Liaoyang Electronic Ceramic General Factory.

General situation of the enterprise:

Our factory is a national enterprise producing ceramic capacitors. It has RMB. 13,000,000 Yuan of fixed assets. Its productive capacity is 144,500,000PCS.

There are 1,200 workers and 140 technical persons in the factory, including 3 seniore engineers, 50 engineers, 39 assistant engineers and 48 technicians. The factory has a 1000 KVA substaion.

Intention of the contract:

1. Our terms: 500M<sup>2</sup> productive workshop, energy, power and workers.

2. Foreign terms which we hope: Technique and equipments for wedge capacitors, 10,000 pieces /year  
Contactor: Foreign Investment section,

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