



# A NEW HOME

**P** **PanNext**  
Fittings Corporation



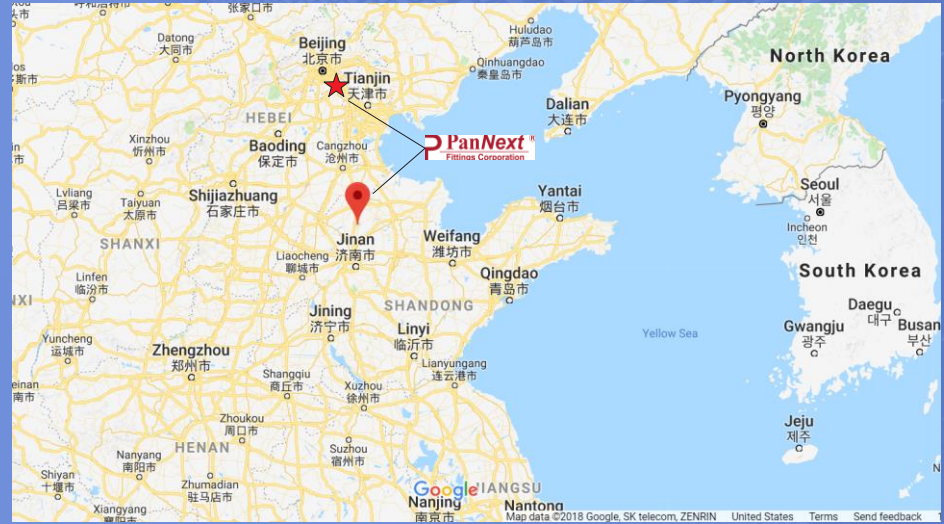
ShangHe, Shandong Province, China



## ShangHe

PanNext has selected the city of ShangHe for our future home to manufacture high quality fittings. ShangHe is the “Northern Gate” of Jinan, the capital of Shandong Province.

The ShangHe Economic Development Zone is located just 35 km away from the Jinan International Airport.



ShangHe is only 60 km away from the Jinan New East Railway Station, with High speed train only 1.5 hours and 3.5 hours from Beijing and Shanghai, respectively.



# Two Phase Transformation

The 1st Phase of the move will include our new automatic casting foundry, large capacity electrical furnace, and advanced high speed fully automated molding line. The Malleable line capacity is 1,300 MT (Casting) and 120 MT (Casting) for Bronze.

The 2nd Phase will include the Machining, testing, inventory warehouse, and packaging, plus shipping facility. (by end of 2019)



# Timeline

	Phase 1		Phase 2
Sept. 2017	By July. 2018	By Oco. 2018	By End of 2019
<b>Break Ground in ShangHe</b>  Pannext officially begins development of a new, advanced manufacturing base.	<b>Complete New Equipment Purchase/Install</b>  Installation of a new automatic casting foundry and large capacity electric furnace. Begin installation of molding line.	<b>Complete Bronze Molding Line Production Ready</b>  Complete installation of high speed, fully automated Bronze molding line. <b>Bronze Capacity:</b> 120 MT (Casting)	<b>Complete Production Preparation</b> <ul style="list-style-type: none"><li>• Machining</li><li>• Testing</li><li>• Inventory Warehouse</li><li>• Packaging/Shipping facility</li></ul>





# Progress

## Bronze Facility

Completion:  
March 2018



## Malleable Facility

Completion:  
End of April 2018





## Malleable Facility

### Dimensions:

48 X 286m

13728 sq. meters

Equipment	Order/ETD	Capacity	Qty.
Electric Furnace	3/15/2018 7/15/2018	3000kg/hr.	2
Auto Molding	Arrived	300 molds/hr.	2





## Bronze Facility

### Dimensions:

48 X 128m

6144 sq. meters

Equipment	Order/ETD	Capacity	Qty.
Electric Furnace	3/15/2018 7/15/2018	400 kg/hr.	2
Auto Molding	3/10/2018 6/30/2018	90 molds/hr.	2





## Automated Malleable Molding Line

- Loramendi
- Flaskless Moulding Line
- The output: 300 forms per hour.
- Form size: 550 x 750 mm ( 21.6" x 29.5")





# Automated Bronze Molding Line



型号 type	Z424	
砂型尺寸 sand's size (mm)	宽(B)×长(L)	350×450
	高度(H)	(上)80~150可调/(下)80~150可调
造型方式 moulding mode	气流加砂+挤压 airflow&sand + extrusion	
造型速度 (MAX) moulding speed	28sec/mold 128molds/hr (不包含下芯时长)	
挤压压力 (MAX) extrusion pressure	0.6Mpa (2段转换方式) two conversion mode	
驱动方式 drive mode	空气&气动-液压装置 air&pneumatic- hydraulic device	
空气消耗量 specific air consumption	0.9m <sup>3</sup> (Normal/mold)	
使用电源 power supply	AC220~380V (操作DC24V)	
控制方式 control mode	触摸屏/PLC	
砂型重量 (MAX) sand's weight	75kg	
电机功率 motor power	7.5KW	
总功率 total power	10KW	
机器尺寸 machine's size (mm)	长(L)×宽(B)×高度(H)	2950×1650×2582
浇冒口数量 (个) pouring and riser's quantity	15	
浇冒口直径 (mm) pouring and riser's diameter	Φ30、Φ48	
机器净重 machine net weight	7100 KGS	
工作气动压力 (Mpa) pneumatic working pressure	0.55~0.75	
模具类型 mould type	铝制双面型板 Aluminum double plate	
型体出口高度 (mm) the height of model exit	820	
射砂方式 sand blasting way	3档可调	
液压油 hydraulic oil	46#抗磨液压油 46#hydraulic oil	



## Our Products

### → Malleable Iron Pipe Fittings

- ◆ Black and Galvanized
- ◆ Classes 150LB
- ◆ Classes 300LB

### → Cast Bronze Pipe Fittings

- ◆ Classes 125LB
- ◆ Classes 250LB

### → Steel Pipe Nipples (Strategic alliance with supplier in China, a major Mueller nipples supplier)

- ◆ Schedule 40/80/160



## Manufacturing Specifications:

### Malleable Iron Pipe Fittings Class 150LB & 300LB

- ❖ Material: ASTM A 197 Cupola Malleable Iron  
ASTM A 153 Hot Dipped Galvanizing
- ❖ Dimensions: ANSI B 16.3 Malleable Iron Threaded Fittings  
ANSI B 16.14 Ferrous Pipe Plugs, Bushings, Etc.  
ANSI B 16.39 Malleable Iron Threaded Pipe Unions
- ❖ Threads: ANSI B 1.20.1 or BS 21
- ❖ Physical Properties: Tensile strength 28.4 Kg/mm<sup>2</sup> min.  
Elongation 5% min.

***Note: All fittings are subject to full air test under water***



## Manufacturing Specifications:

Cast Bronze Pipe  
Fittings Class  
125LB & 250LB

- ❖ Material: ASTM B 62; C83600; ASTM B 824
- ❖ Dimensions: ANSI B 16.3    ANSI B 16.15    Class 125
- ❖ Union Dimensions: WW-U-516-B
- ❖ Threads: ANSI B 1.20.1 or BS 21
- ❖ Physical Properties: Tensile strength 21.1 Kg/mm<sup>2</sup> min.  
Elongation 20% min.

***Note: All fittings are subject to full air test under water***



**Aboveground  
Fire Protection  
System  
Class 125/150  
Bronze**





Certified to  
NSF/ANSI  
61, Annex G  
Lead Free





## Safety Certification



Underwriters  
Laboratories, Inc.



US UL listed:  
UL# HHXX.EX6393



Canada UL listed:  
UL# HHXX7.EX6393



**ISO 9001-2008  
Certified  
Manufacturing  
Facility**





# The Standards Institution of Israel

