



INTERNATIONAL PUMPING SYSTEM - IPS PUMP

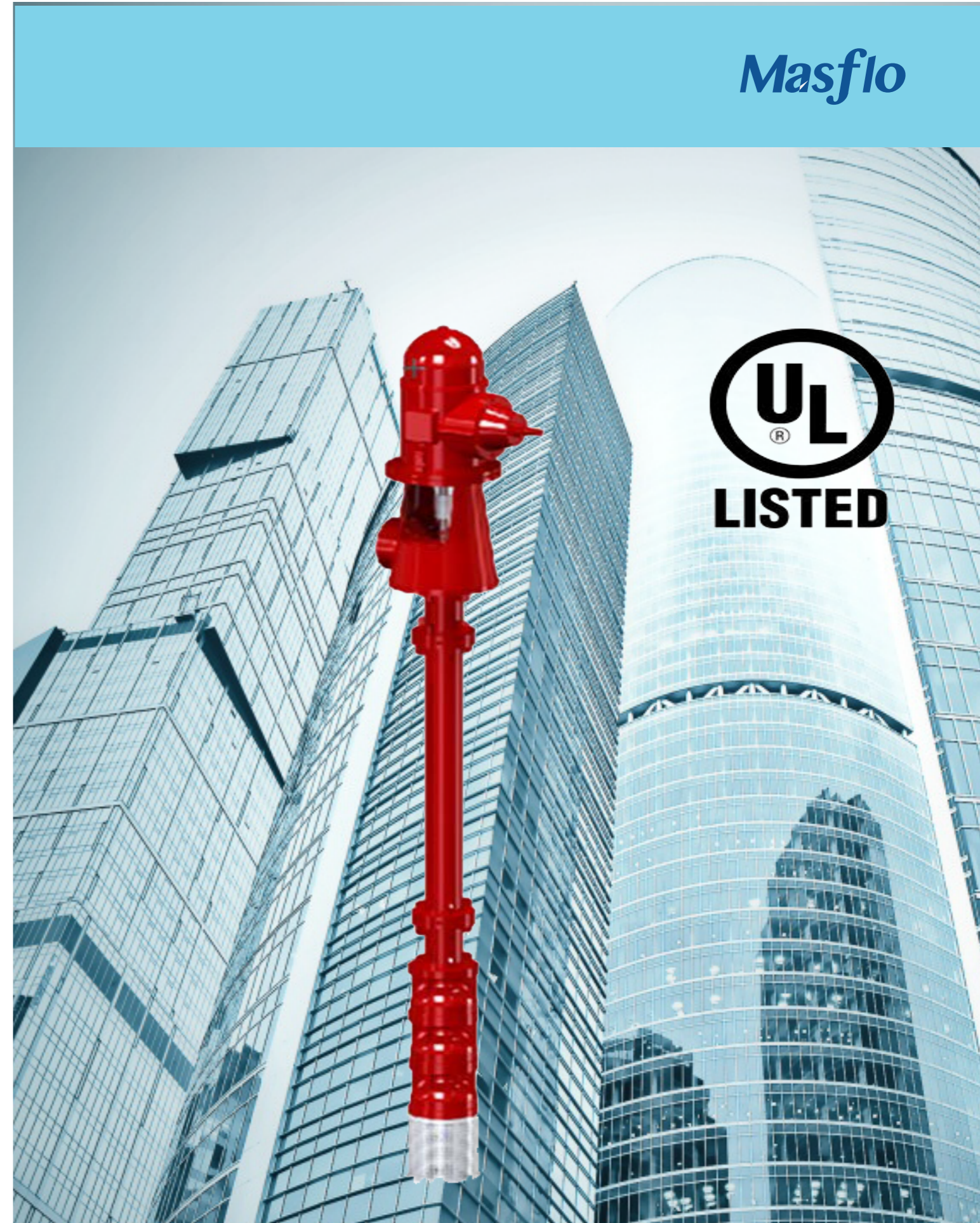
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VT Vertical Turbine Pump

▼ Product Introduction

VT vertical turbine pump introduced the international advanced hydraulic model and conformation, On the basis of optimization, is a new generation of products. The convey-ing medium is water, or contains small solid particles Sewage, corrosive industrial waste water or water and other similar liquids. Can be used for metallurgy, mining, chemi-cal, paper, tap water, thermoelectric, urban water supply and drainage, fresh water or sea waterOf the water project.



▼ Structural Characteristics

Selection of advanced hydraulic model,have high efficiency. Than the domestic type of product efficiency higher than 3 to 9%, the efficiency curve is gentle, increasing the scope of work, energy saving effect is remarkable.

The parts of pumps are designed to increase the interchangeability of the product while increasing the rigidity of the shaft.

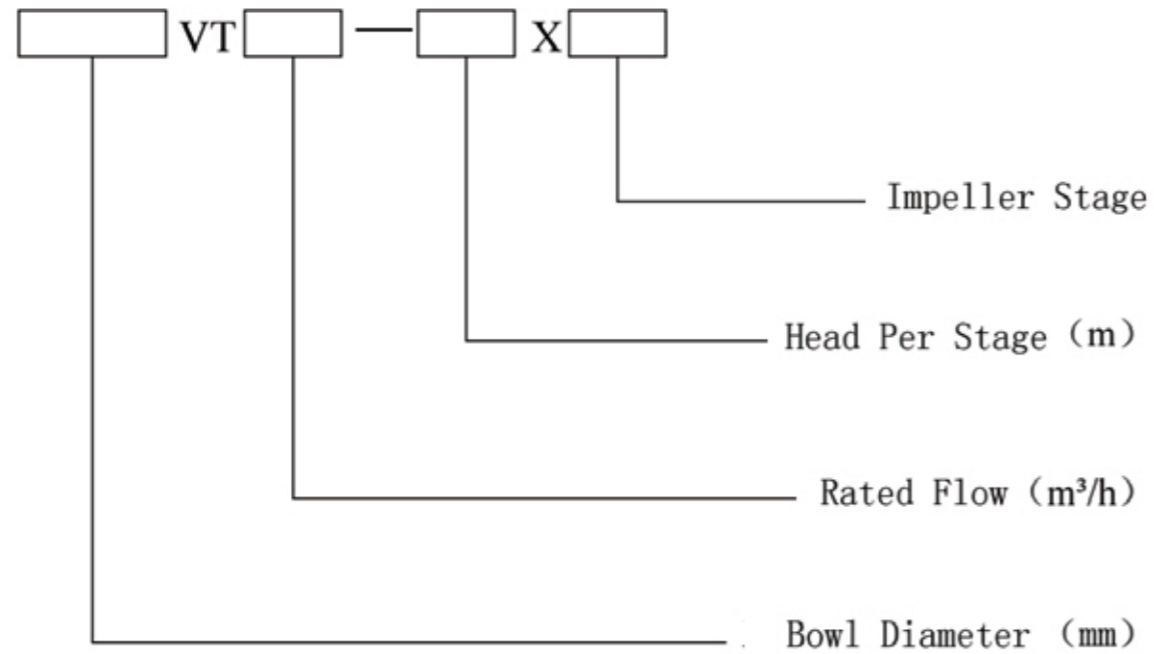
The pump casing are used castings, no stress deformation; shape beautiful structure.

Guide bearing configuration is rich, material optional copper, rubber, polymer materials. For different use conditions and temperature range, choose a different material.

To avoid the gap is too large, resulting in vibration, the gap is too small, the occurrence of things.



▼ Structural Characteristics



Example:

300VT160—11.5 × 4,
 VT series vertical turbine pump,
 bowl diameter 300mm,
 rated flow 160m³ / h, 4 stages impeller,
 head per stage is 46m.

▼ Main Parts Material List

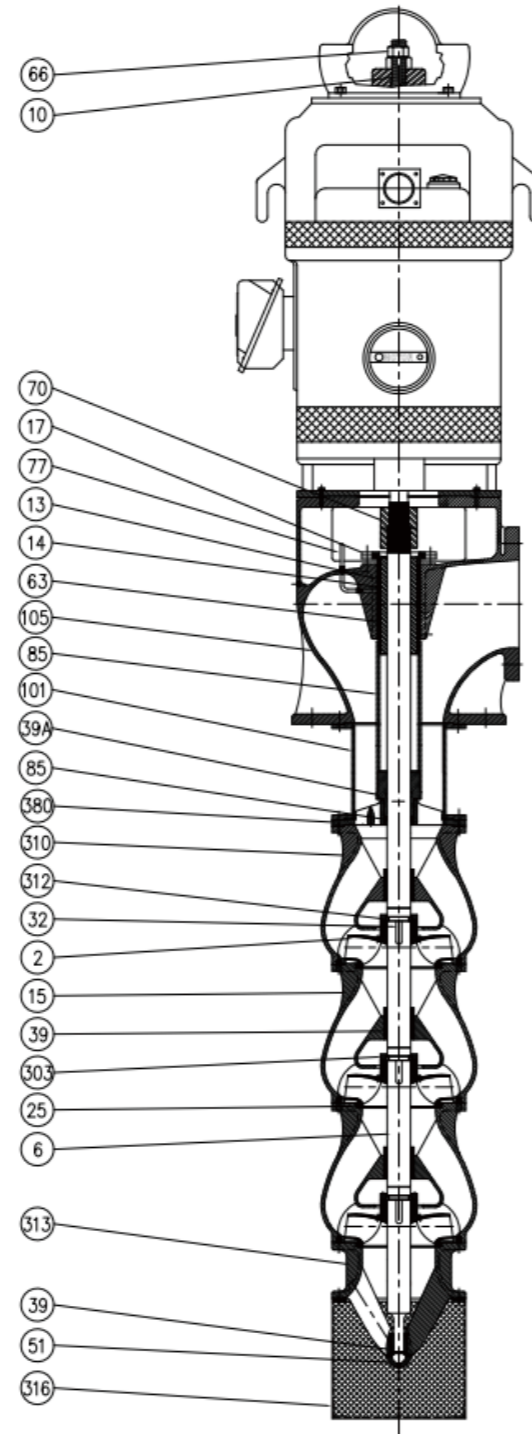
material category	I	II	III	IV	V
media	rivers agriculture industry	city water drainage Industrial drainage contains some solid particles	corrosive sewage industry sewage urban sewage	sea water	power plant
discharge elbow	HT250 gray iron 250	QT450-10 ductile iron 450-10	ZG1Cr18Ni9 cast stainless steel	high nickel cast iron	00Cr17Ni14Mo2 stainless steel
external column	Q235-A carbon steel	Q235-A carbon steel	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	00Cr17Ni14Mo2 stainless steel
diffuser	HT250 gray iron 250	QT450-10 ductile iron 450-10	ZG1Cr18Ni9 cast stainless steel	ZG1Cr18Ni9 cast stainless steel	00Cr17Ni14Mo2 stainless steel
suction bellmouth	HT250 gray iron 250	QT450-10 ductile iron 450-10	ZG1Cr18Ni9 cast stainless steel	high nickel cast iron	00Cr17Ni14Mo2 stainless steel
impeller	HT250 gray iron 250	ZG1Cr13 stainless acid resistant steel	ZG1Cr18Ni9 cast stainless steel	ZG1Cr18Ni9 cast stainless steel	00Cr17Ni14Mo2 stainless steel
shaft	45 qualitative carbon steel	2Cr13 stainless steel	2Cr13 stainless steel	2Cr13 stainless steel	00Cr17Ni14Mo2 stainless steel
Shaft sleeve	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	00Cr17Ni14Mo2 stainless steel
Pile casing	Q235-A carbon steel	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	1Cr18Ni9 stainless steel	00Cr17Ni14Mo2 stainless steel
Motor support	HT250 gray iron 250	HT250 gray iron 250	HT250 gray iron 250	HT250 gray iron 250	HT250 gray iron 250

When ordering, please consult the manufacturers, according to the actual conditions to choose a reasonable material.

▼ Structure Section

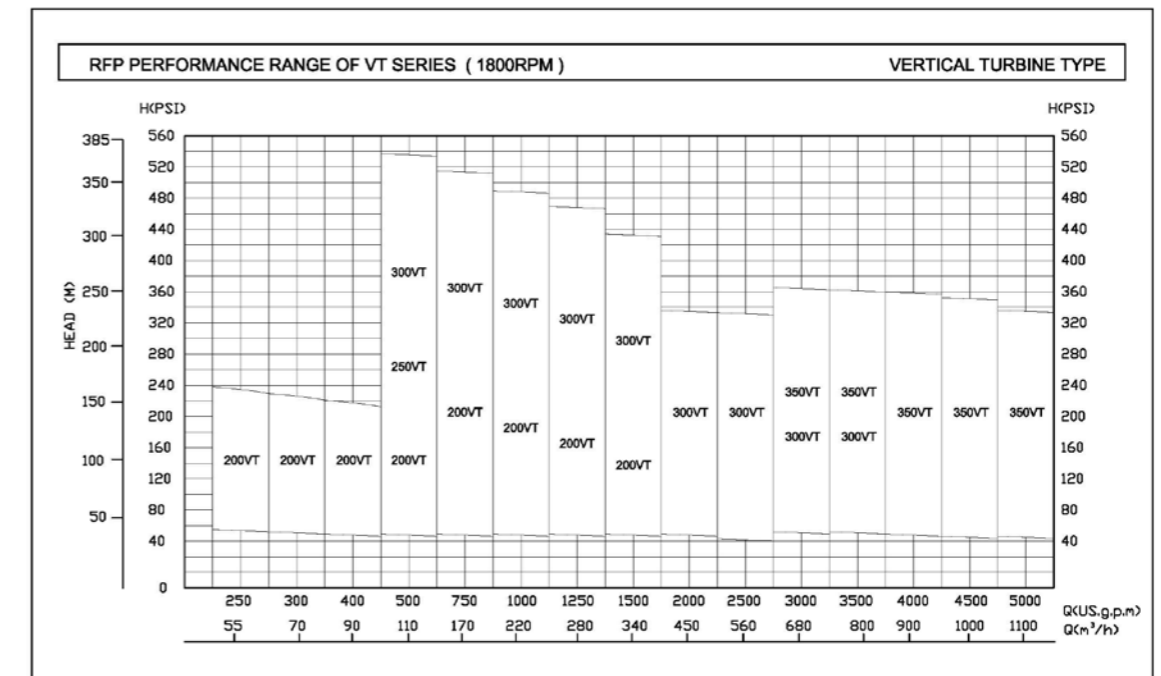
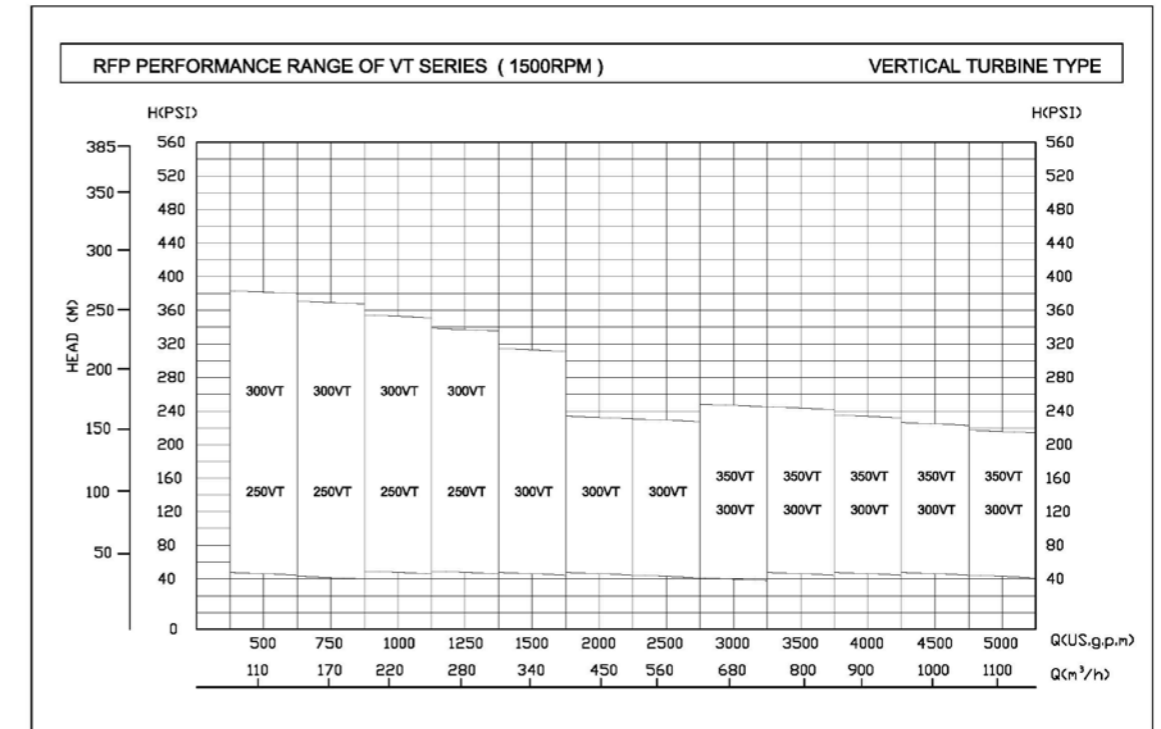
▼ Spectrum Diagram

NO.	PARTS LIST
2)	IMPELLER
6)	PUMP SHAFT
10)	HEAD SHAFT
13)	PACKING
14)	STUFFING BOX SLEEVE
15)	INTERMEDIATE DISCHARGE BOWL
17)	PACKING GLAND
25)	CASING WEAR RING
32)	IMPELLER KEY
39)	BOWL BEARING
39A)	GUIDE SPIDER BEARING
51)	SAND CAP
63)	STUFFING BOX BEARING
66)	IMPELLER ADJUSTING NUT
70)	THREADED SHAFT COUPLING
77)	LUBRICATOR TUBING
85)	COVER PIPE
89)	SEAL
101)	COLUMN PIPE
105)	DISCHARGE HEAD
303)	THRUST RING RETAINER
310)	TOP DISCHARGE BOWL
312)	SPLIT THRUST RING
313)	SUCTION BOWL
316)	STRAINER
380)	GUIDE SPIDER



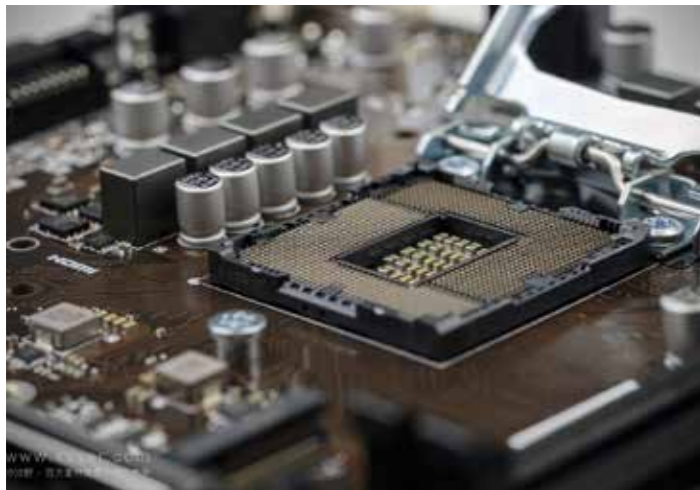
Note: the structure drawing

is for reference only!





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▼ Company Achievements



