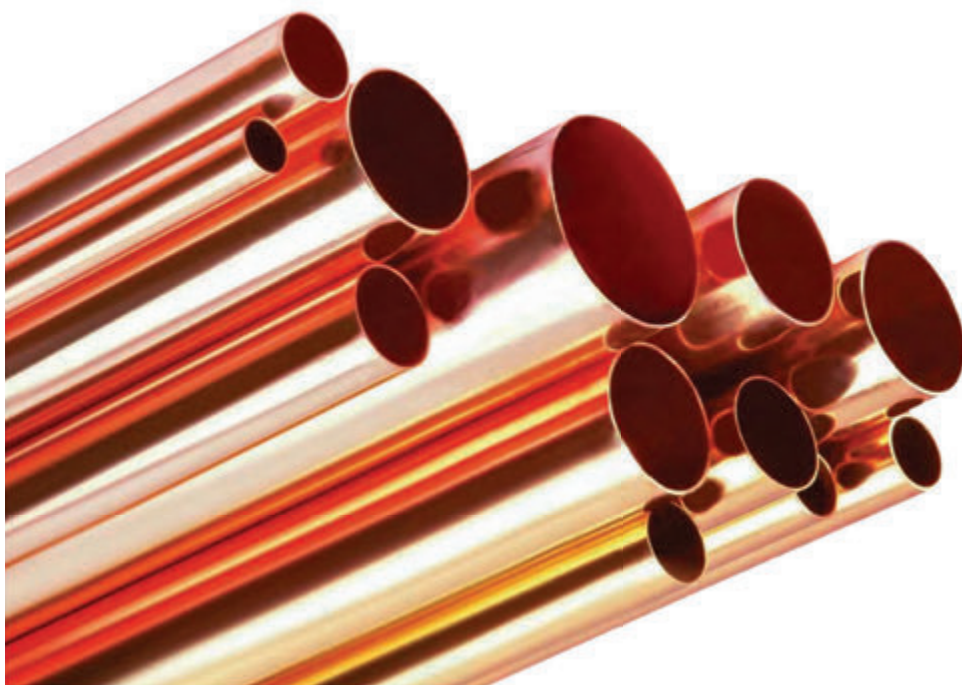


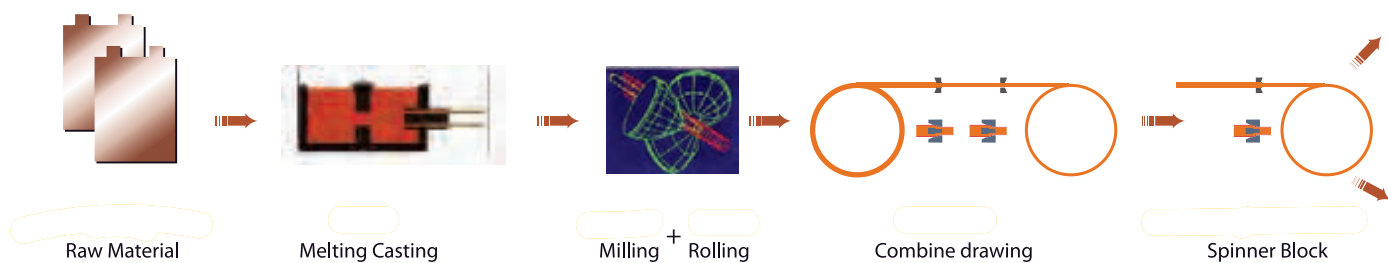


TOAN PHAT COPPER TUBE JOINT STOCK COMPANY

Ruby[®] COPPER



Prestige - Quality - Efficiency



INTRODUCTION

Toan Phat Joint Stock Company was founded in April 2006. Our factory is located at No.5 National Highway, Pho Noi A Industrial Park, Van Lam, Hung Yen, Vietnam (Km24 of Hanoi - Hai Phong - Quang Ninh dynamic - economy triangle area). We are proudly known as a professional leading manufacturer in Vietnam.

We specialize in producing, trading copper tube, which is used globally in the field of air conditioner, ship – building industry and construction; trading Cathode copper.

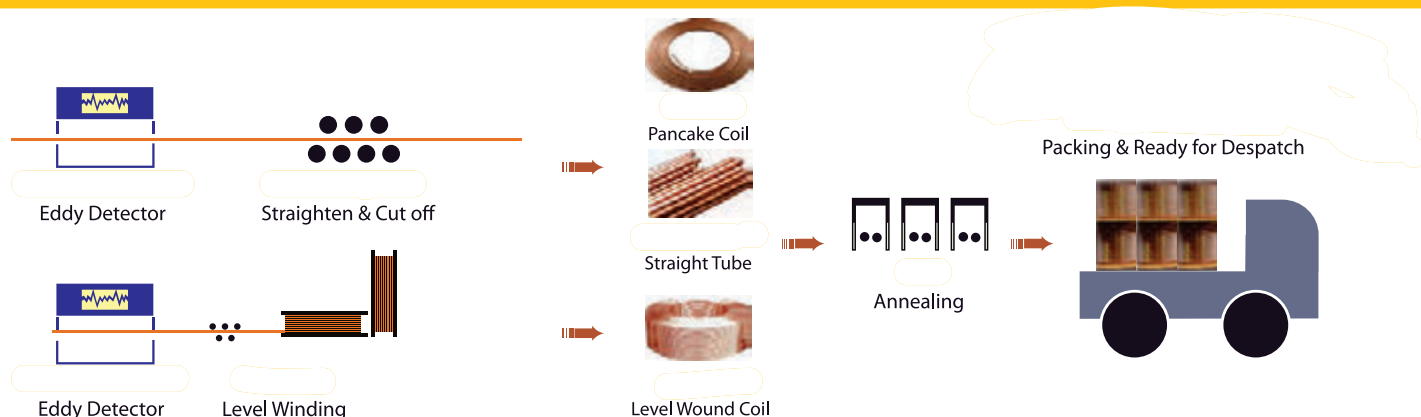
Not only do we have many enthusiastic, innovative and skillful staffs who have gained a lot of experiences from studying in our own country as well as abroad, we are also using chains of advanced production equipment and up-to-date technology from developed countries which allows us to produce high quality and stable products at low costs.

We use entirely cathode copper 99.99% Cu for input material (do not use scrap), creating a quality and stable Ruby Copper product.

We now have the ability to produce many types of copper tubes: Pancake Coil 15m and 30m; Level Wound Coil, Straight Copper Tube 2.9mm and 5.8mm and we also do custom work in order to meet various customer's requirements.

Along with applying the quality management system standard ISO9001: 2000, now is ISO9001: 2008, we are currently ASTM B280 and JIS H3300 certified. We are committed to achieving world-class product quality and reliability.

Toan Phat's mission is to provide you with our outstanding services and cutting edge care. We look forward to building up a long term co-operation with you in the near future.





DET NORSKE VERITAS MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 98545-2011-AQ-VNM-RvA

This is to certify that:

TOAN PHAT COPPER TUBE JOINT STOCK COMPANY

Road 206, D Area, Pho Noi A Industrial Park, Van Lam, Hung Yen Province, Viet Nam

has been found to conform to the Management System Standard:

ISO 9001:2008

This Certificate is valid for the following product or service ranges:

Manufacture and Supply of Copper Tube Products.

Initial Certification date:

August 7th, 2008

This Certificate is valid until:

August 7th, 2014

The audit has been performed under the supervision of:

Nguyen Quoc Khanh
Lead Auditor



Place and date:

Ho Chi Minh City, June 14th, 2011

for the Accredited Unit:

**DET NORSKE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS**

Lim Jit Ting
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VERITAS CERTIFICATION B.V. ZWIJERSWEG 1, 2994 LB BARENDRECHT, THE NETHERLANDS, TEL: +31 10 2922 688 • WWW.DNV.COM / WWW.DNV.NL

TỔNG CỤC TIÊU CHUẨN
ĐO LƯỜNG CHẤT LƯỢNG
TRUNG TÂM CHỨNG NHẬN PHÙ HỢP
QUACERT



DIRECTORATE FOR STANDARDS,
METROLOGY AND QUALITY (STAMEQ)
VIETNAM CERTIFICATION CENTRE
QUACERT

GIẤY CHỨNG NHẬN CERTIFICATE

No.: SP 721/1.12.17

Chứng nhận sản phẩm / This is to certify that:

Ống đồng không nối C1220T, loại H; O & OL, Đường kính ngoài đến 50mm
Seamless Copper Tube C1220T, Type H; O & OL, Outside Diameter up to 50mm

NHÂN HIỆU THƯƠNG MẠI/TRADE MARK: 

được sản xuất tại / made in:

CÔNG TY CỔ PHẦN ỚNG ĐỒNG TOÀN PHÁT
TOAN PHAT COPPER TUBE JOINT STOCK COMPANY
 Đường 206, khu D, Khu công nghiệp phố Nổi A, huyện Văn Lâm, Hưng Yên, Việt Nam
Road No. 206, D Zone, Pho Noi A Industrial Park, Van Lam District, Hung Yen Province, Viet Nam

phù hợp với tiêu chuẩn / conforms to the standard:

JIS H 3300:2006
 VÀ ĐƯỢC PHÉP SỬ DỤNG DẤU CHẤT LƯỢNG
and can bear Quality Mark

Giấy chứng nhận này và Dấu chất lượng có giá trị từ / this certificate and the use of Quality Mark is valid from:

11.10.2012 đến / to 10.10.2015

Tổng cục TC-DL-CL
TỔNG CỤC TRƯỞNG
(The Director General of STAMEQ)

Hội đồng Chứng nhận
CHỦ TỊCH
(The Chairman of the Certification Board)




 Ngô Quý Việt


 Phạm Hồng

QUACERT - Số 8 Hoàng Quốc Việt, Hà Nội, Việt Nam - Tel : + 84 (0) 2738100

TỔNG CỤC TIÊU CHUẨN
ĐO LƯỜNG CHẤT LƯỢNG
TRUNG TÂM CHỨNG NHẬN PHÙ HỢP
QUACERT



DIRECTORATE FOR STANDARDS,
METROLOGY AND QUALITY (STAMEQ)
VIETNAM CERTIFICATION CENTRE
QUACERT

GIẤY CHỨNG NHẬN CERTIFICATE

No.: SP 720/1.12.17

Chứng nhận sản phẩm / This is to certify that:

Ống đồng không nối C12200, loại H58 & O60
Seamless Copper Tube C12200, Type H58 & O60

NHÂN HIỆU THƯƠNG MẠI/TRADE MARK: 

được sản xuất tại / made in:

CÔNG TY CỔ PHẦN ỚNG ĐỒNG TOÀN PHÁT
TOAN PHAT COPPER TUBE JOINT STOCK COMPANY
 Đường 206, khu D, Khu công nghiệp phố Nổi A, huyện Văn Lâm, Hưng Yên, Việt Nam
Road No. 206, D Zone, Pho Noi A Industrial Park, Van Lam District, Hung Yen Province, Viet Nam

phù hợp với tiêu chuẩn / conforms to the standard:

ASTM B280-03
 VÀ ĐƯỢC PHÉP SỬ DỤNG DẤU CHẤT LƯỢNG
and can bear Quality Mark

Giấy chứng nhận này và Dấu chất lượng có giá trị từ / this certificate and the use of Quality Mark is valid from:

11.10.2012 đến / to 10.10.2015

Tổng cục TC-DL-CL
TỔNG CỤC TRƯỞNG
(The Director General of STAMEQ)

Hội đồng Chứng nhận
CHỦ TỊCH
(The Chairman of the Certification Board)




 Ngô Quý Việt


 Phạm Hồng


 Nguyễn Văn Hải

QUACERT - Số 8 Hoàng Quốc Việt, Hà Nội, Việt Nam - Tel : + 84 (0) 273810029 - Fax : + 84 (0) 2738 3188

Milling machine



Spinner block



Planetary rolling mill



Straight tube cutter and coiler machine





Annealing furnace



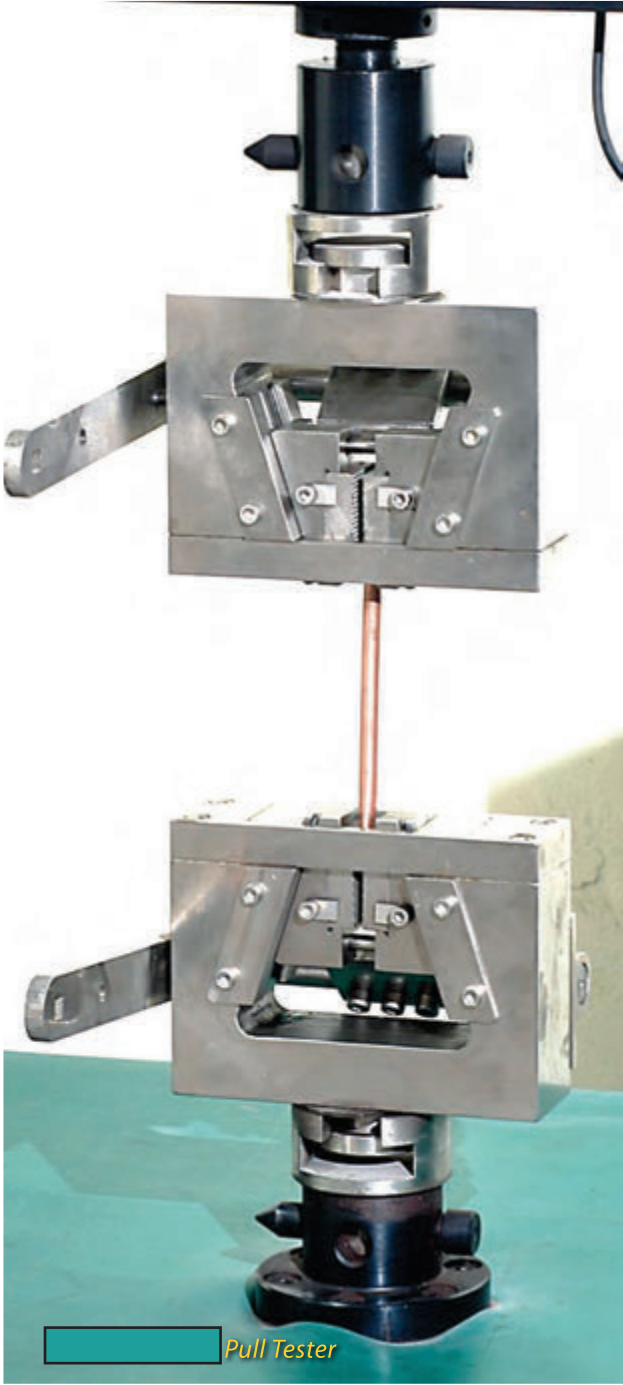
Level wound coil machine



Defect checking



Spectrum Analyzer



Pull Tester

CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES

Standard	Copper Alloy no.	Chemical Composition		Mechanical Properties			
		Cu%	P%	Temper	Tensile strength (Mpa)	Elongation (%)	Average Grain Size (mm)
JIS H3300	C1220	≥ 99.9	0.015-0.040	O60 O50	≥205 ≥245	≥40	> 0.040 0.015-0.040
ASTM B280	C12200	≥ 99.9	0.015-0.040	O60 H58	≥205 ≥250	≥40	0.015 - 0.040

THE SPECIFICATION OF COPPER TUBE

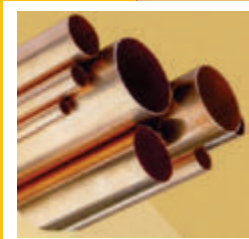


Level wound coil														
Outside Diameter	Wall Thickness	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.90 1.00	1.20	1.50
3.80		x	x	x	x	x	x	x						
4.00		x	x	x	x	x	x	x						
4.76		x	x	x	x	x	x	x	x	x	x			
5.00		x	x	x	x	x	x	x	x	x	x	x		
6.00		x	x	x	x	x	x	x	x	x	x	x		
6.35		x	x	x	x	x	x	x	x	x	x	x	x	
7.00		x	x	x	x	x	x	x	x	x	x	x	x	
7.94		x	x	x	x	x	x	x	x	x	x	x	x	
8.00		x	x	x	x	x	x	x	x	x	x	x	x	
9.00		x	x	x	x	x	x	x	x	x	x	x	x	
9.52		x	x	x	x	x	x	x	x	x	x	x	x	x
10.00		x	x	x	x	x	x	x	x	x	x	x	x	x
12.00			x	x	x	x	x	x	x	x	x	x	x	x
12.70			x	x	x	x	x	x	x	x	x	x	x	x
14.00				x	x	x	x	x	x	x	x	x	x	x
15.00				x	x	x	x	x	x	x	x	x	x	x
15.88				x	x	x	x	x	x	x	x	x	x	x
16.00					x	x	x	x	x	x	x	x	x	x
19.05									x	x	x	x	x	x

Pancake copper coil														
Outside Diameter	Wall Thickness	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.90 1.00	1.20	1.50
4.00			x	x	x									
4.76		x	x	x	x	x	x	x	x	x	x	x		
6.00		x	x	x	x	x	x	x	x	x	x	x		
6.35		x	x	x	x	x	x	x	x	x	x	x	x	
7.94		x	x	x	x	x	x	x	x	x	x	x	x	
8.00		x	x	x	x	x	x	x	x	x	x	x	x	
9.52		x	x	x	x	x	x	x	x	x	x	x	x	x
12.00			x	x	x	x	x	x	x	x	x	x	x	x
12.70			x	x	x	x	x	x	x	x	x	x	x	x
14.00				x	x	x	x	x	x	x	x	x	x	x
15.00				x	x	x	x	x	x	x	x	x	x	x
15.88				x	x	x	x	x	x	x	x	x	x	x
16.00					x	x	x	x	x	x	x	x	x	x
19.05								x	x	x	x	x	x	x



Straight tube														
Outside Diameter	Wall Thickness	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	1.00	1.20	1.50
6.00		x	x	x	x	x	x	x	x	x	x	x		
6.35		x	x	x	x	x	x	x	x	x	x	x	x	
7.00		x	x	x	x	x	x	x	x	x	x	x	x	
7.94		x	x	x	x	x	x	x	x	x	x	x	x	x
8.00		x	x	x	x	x	x	x	x	x	x	x	x	x
9.52		x	x	x	x	x	x	x	x	x	x	x	x	x
10.00		x	x	x	x	x	x	x	x	x	x	x	x	x
12.00			x	x	x	x	x	x	x	x	x	x	x	x
12.70			x	x	x	x	x	x	x	x	x	x	x	x
14.00				x	x	x	x	x	x	x	x	x	x	x
15.00				x	x	x	x	x	x	x	x	x	x	x
15.88				x	x	x	x	x	x	x	x	x	x	x
16.00						x	x	x	x	x	x	x	x	x
19.05						x	x	x	x	x	x	x	x	x
22.22						x	x	x	x	x	x	x	x	x
25.40										x	x	x	x	x
28.58										x	x	x	x	x
31.75										x	x	x	x	x
34.92										x	x	x	x	x
41.28										x	x	x	x	x



* Remark: Other sizes with special requirement can be made against order.





FAST Cambodia



010 690 111 / 010 468 111



info@fastcambodia.com



[FAST Cambodia](#)



www.fastcambodia.com



#59, Street Lom, Phum Somrorng, Sangkat Khmounh, Khan Sensok, Phnom Penh, Cambodia