SINCE 1987

BAY UNION

GRINDING WHEEL SERIES

COMPANY HISTORY

Bay Union Abrasive Technology Co., Ltd. was founded in 1987. We have focused on producing vitrified bonded grinding wheels for many years. Bay Union has advanced vitrified bonds and special self-developed equipment, so we can supply high quality mounted wheels in a very fast and steady way. We have supplied worldwide famous customers with a good reputation for years, especially in North America and Europe market.

Since 2001, Bay Union has produced precision grinding wheels based on unique producing technique and expanded the business to precision machining industry in Taiwan. **HIGH PERFORMANCE**, **HIGH-QUALITY STABILITY**, and **FAST DELIVERY** are our strength, and that is why we can expand very fast in the internal grinding market at the beginning. After years of R&D, we successfully developed new low-temperature vitrified bonds. The series of SG wheels and CBN wheels were launched soon after the new bond development, so to speak, Bay Union entered the high-end market.

In order to satisfy customers' needs, Bay Union is promoting standard series whether for applying Surface Grinding, Cylindrical Grinding or Internal Grinding, we can have a faster way in selecting suitable products for you accordingly. For all product series, we have ready stock in corresponding wheels for replacement with more value.

WE BELIEVE BAY UNION IS THE BEST GRINDING WHEEL CHOICE FOR ALL CUSTOMERS.

BAY
UNION

BAYUNION VALUE

WHEEL
VERSATILITY
Standard series
Just-in-Time delivery

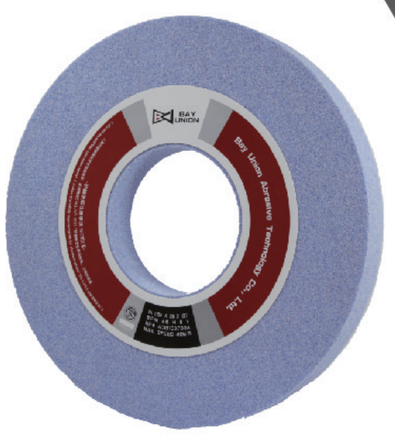
PROFESSIONAL
CONSULTANT
Grinding solution
Applied research

HIGH
QUALITY
Unique formula
Automatic production

TD0402VV

BAY UNION

GRINDING WHEEL SERIES



BF

- Ceramic aluminum oxide (SG grain)
- Maximum grinding performance
- Excellent form holding & Longer tool life
- Versatile on a wide variety of steels

CK

- Very versatile
- Ruby aluminum oxide
- Tougher abrasive than WA grain
- Suitable for high-alloy steels and stainless steel 400 series

PP

- Special ceramic aluminum oxide
- High grinding material removal rate
- Good heat discharge
- Suitable for hardened steels

GF

- White alumin aluminum oxide with green bond
- Fast cutting
- Good form holding
- Suitable for all kinds of steels

BAY UNION

APPLICATION FEATURES

BAY UNION

Internal Grinding

Series	Features	Branch	Feeding		Dimension ratio	
			Auto	Semi-auto	Wheel OD v.s. Workpiece ID	Wheel thickness v.s. Workpiece Length
PP series	High stable removing rate SUJ2, Composite material HRc50~63	PPW	○	◎	1 : 2	1 : 3~0.5
		PP	◎		1 : 1.8	1 : 1.5~0.8
BF series	SG grian / Longer wheel lifetime General Steels and Alloy SCM440, S45C, SCr420	BFS	◎	○	1 : 1.5	1 : 2.5
		BFU	○		1 : 1.5	1 : 2

Cylindrical Grinding

Series	Features	Branch	Feeding		Lubricant	
			Auto	Semi-auto	100% synthetic	Semi-synthetic
PP series	High density alloy grinding Cold forging / Hot Forging / SKH / SKD	PPV	◎	○	◎	○
CK series	Blend of special abrasives SKD / SUJ2 /General Steels and Alloy	CKL	○	◎	○	○
		CKS	○			○
GF series	General Steels and Alloy S45C / SCr420 / SNCM	GFV	◎	○	○	○
		GF	○	○	○	

Surface Grinding

Series	Features	Branch	Feeding		Lubricant	
			Auto	Semi-auto	Dry	All types
BF series	SG grain / Longer wheel lifetime General Steels and Alloy HRc40~60	BFI	○	◎	◎	○
		BFV	○	○	◎	○
CK series	Blend of special abrasives STAVAX, SKH, SKD Over HRc55	CKT	◎	◎	◎	○
		CK	○	○	○	◎

Your Best Grinding Choice !

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