INDEX



Company Introduction

ATOM Precision of America, Inc. (ATOM) is a leading manufacturer of micro drills. Since its founding in 1934, ATOM has continuously developed high-quality micro drills, alongside advancements in the manufacturing industry. Today, ATOM has a global reputation as one of the world's most reliable brands, indispensable for use in a variety of industries, including medical, aerospace, automotive, electronics, and mold manufacturing.



Tomejiro Saito, Founder of ATOM

ATOM offers over 4,700 micro drills with a wide variety of diameters and flute lengths. Our extensive product line makes it possible to serve customers quickly. ATOM can provide micro drills with diameters starting from 0.02mm (Ø0.0008"), with larger sizes available in 0.01mm (0.0004") increments. With different flute lengths and drills with specialized coatings, ATOM has responded to the ever-changing needs of manufacturers in the micro-precision machining arena.

Mission Statement

ATOM strives to contribute to the society in which it operates through the philosophy of "Made in Japan" quality. For ATOM, this takes the form of utilizing micro-precision grinding technology in the development, manufacturing, and sales of high-quality micro drills and related services. ATOM is determined to grow by devoting all our energy to the advancement of manufacturing industries worldwide. Through continuous research and development, ATOM aims to provide its users with innovative micro-drilling solutions as well as the peace of mind that comes with knowing they are using quality ATOM micro drills in their machining processes.







1934

 Began manufacturing and sales of hand hacksaw in Tokyo, Japan

1954

Began manufacturing and sales of carbide bites

1955

 Began manufacturing and sales of carbide end mills, reamers, and custom cutting tools

1964

• Established Tokyo factory

1974

• Increased capital to 20 million yen

1976

 Began manufacturing and sales of standard straight shank drills

1978

 Established Kakuda factory in Miyagi, Japan

1982

• Increased capital to 40 million yen

1984

• Expanded Kakuda factory

1989

- First oversea subsidiary, ATOM Precision of America, Inc. opened in the USA
- Rebuilt Kakuda factory

1994

 Began manufacturing and sales of standard 3mm shank drills

2007

Expanded Kakuda factory

2019

Expanded Kakuda factory



New Kakuda factory in Miyagi, Japan

Model	Appearance	Description		Diameter mm	Page					
3mm Shank Drills										
ADRS	P-02-	Short, Uncoated, For Non-Ferrous		ø0.1∼ ø3	p.40					
ADR	0101010	Regular, Uncoated, For Non-Ferrous		ø0.02~ ø3	p.44					
ADRSL	ALGERGA (C. M.)	Semi Long, uncoated, For Non-Ferrous		ø0.03∼ ø3	p.48					
ADRL	4-0-10-10-10-10-10-10-10-10-10-10-10-10-1	Long, Uncoated, For Non-Ferrous		ø0.03~ ø3	p.52					
ADR-SP	suprara-	Super Precision, Uncoated, For Non-Ferrous		ø0.015∼ ø1.995	p.54					
ADRS-SV		Short, FCS Coated, For Steels	FCS	ø0.1∼ ø3	p.58					
ADR-SV	-car	Regular, FCS Coated, For Steels	FCS	ø0.02~ ø3	p.62					
ADRSL-SV	******	Semi Long, FCS Coated, For Steels	FCS	ø0.03∼ ø3	p.66					
ADRL-SV	\$45454545454545	Long, FCS Coated, For Steels	FCS	ø0.03∼ ø3	p.68					
ADR-SUS	encuevas e	Regular, FCS Coated, For Hard-to-Cut Materials	FCS	ø0.1~ ø3	p.72					
ADRL-SUS	encionere.	Long, FCS Coated, For Hard-to-Cut Materials	FCS	ø0.1∼ ø3	p.76					
ADR-DLC		Regular, DLC Coated, For Non-Ferrous	DLC	ø0.1∼ ø1	P.80					
ADRL-DLC	and restricted to the second s	Long, DLC Coated, For Non-Ferrous	DLC	ø0.1~ ø1	P.82					
Straig	ht Shank Drills									
ADS	CAL-AL-	Regular, Uncoated, For Non-Ferrous		ø0.3∼ ø13	p.84					
V-ADS		Regular, TiAlN Coated, For General Purpose	TiAIN	ø0.3~ ø6	p.94					
ADSL	ensus.	Semi Long, Uncoated, For Non-Ferrous		ø0.3∼ ø13	p.98					
ADL	635363535353	Long, Uncoated, For Deep Drilling		ø0.3∼ ø13	p.100					
ADLL	esperaperapera esperapera esperap	Extra Long, Uncoated, For Deep Drilling		ø0.3~ ø13	p.102					
Guide	Hole Drills									
ADPF30	0=	Guide Hole Drill, For Ferrous		ø0.02~ ø3	p.104					
ADPN30	0=	Guide Hole Drill, For Non-Ferrous		ø0.02~ ø3	p.105					
Sweep	Cut Drills									
ASWR	\$101010	Sweep Cut Drill, 3mm Shank		ø0.1~ ø3	p.106					
ASWD	*15/15/15/	Sweep Cut Drill, Straight Shank		ø1~ ø6	p.107					
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Carbon Steels	Alloy Steels	Preharded Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
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