



ADDISON®

Tools for a changing world



GROWING TOWARDS MORE MILESTONES

The evolution of Addison over 150 years is an inspiring story of the thirst for adventure, the spirit of enterprise and a quest for excellence. In its long journey, Addison has traversed areas as diverse as printing, trading, assembling and many

more before establishing itself as a leading manufacturer and supplier of cutting tools and solutions to various industries. Today Addison is leading the way in creating benchmarks in the industry and living up to its founding vision of 'Nulli Secundus', which means 'second to none'.





About Us

Addison & Co. Ltd. was established in 1873 and brought into the fold of the Amalgamations Group in 1943. Today it is India's largest manufacturer of High Speed Steel Metal Cutting Tools, with a product range of over 50,000 Tools and 20,000 Product Designs that include Twist drills, Reamers, Cutters, Endmills and Taps. Also, Addison is India's largest exporter of High-Speed Steel Metal Cutting Tools to many leading countries.

Vision

To sustain responsible commercial success as a global manufacturer of high-quality cutting tools.

Mission

Addison strives to be the preferred supplier of high-quality Metal Cutting Tools in India and abroad by embracing state-of-the-art Technology, Innovative tools and Processes.

Addison shall continue to strengthen its presence in the fields of Machine Tools and Machined Castings. Through technology absorption, Addison shall also widen its product range by offering tools made of materials such as Carbide, PCD and PCBN and in other materials for machining even difficult to machine materials.

Where superior quality is the norm

Quality commitments run in our DNA. Addison's guiding principle, in all stages of business processes, from designing to final delivery, is 'focus on providing best solutions to customers'. Our team of astute quality assurance personnel fine-comb all processes and products relating to both incoming and outgoing goods, making us a preferred tooling partner for quality-conscious global users.



Addison Innovation Center

The Addison Innovation Center is a one-of-its-kind knowledge hub with the technological prowess to encapsulate the entire development cycle of ideation, design, prototyping and testing into one facility.

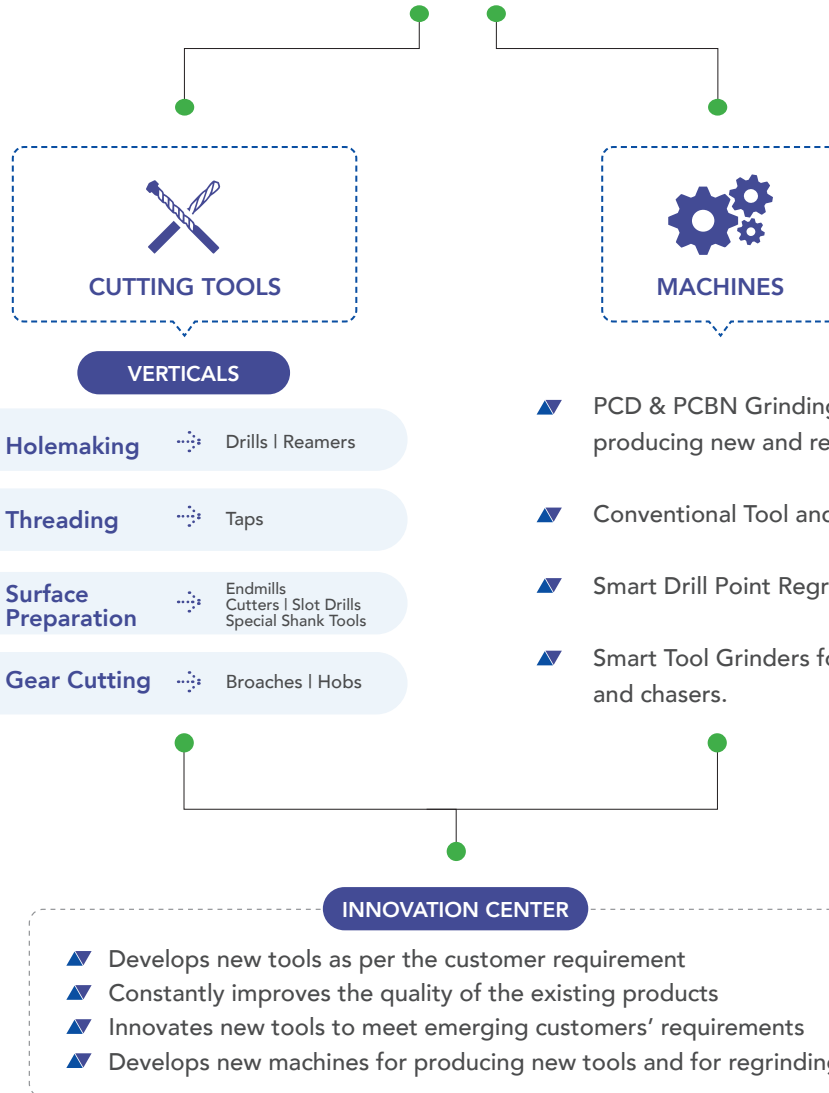
Our in-house development team is continuously engaged in designing and prototyping special tools for customized applications according to customer specifications and coordinates knowledge sharing between various stakeholders to help produce effective and scalable breakthroughs in tooling technology.



Equipped to excel

We pride ourselves not only on using a flexible manufacturing facility with technologically advanced machines that bring maximum precision and can begin production of any design with minimal lead time but also on practising ideas like Industry 4.0, Smart factories, and Digital machining to deliver tools that adhere to stringent international standards. We also have an efficient supply chain to ensure prompt delivery to any corner of the world in the shortest possible time.





**Distinct Quality.
Diverse Applications**

The company's diverse product range caters to various industries like automotive, auto components, heavy engineering, machine tools, rail manufacturing, gear manufacturing, general applications in lathe and turbine blade machining to name a few.

HOLEMAKING

Addison offers one of the industry's most comprehensive selections of drills and reamers. We have the perfect tools for every need, whether the focus is on volume, accuracy, or cost savings.

Our full range of Holemaking products are made in HSS - M2/M35/M42 & PMHSS and Solid Carbide which conforms to IS, JIS, DIN, BS, and ANSI standards. This broad portfolio provides solutions for all applications and workpiece materials across all industry segments, including automotive, energy, medical and more.

With innovative design geometries, special treatments (Blue tempered), optimised coatings (TIN, TIALN and TICN etc.), Addison drills and reamers create high-quality holes in work materials such as Ferrous, Non-Ferrous material, Non metals, Special materials and in Special alloys with high productivity.

The drill diameter ranges from 0.3 to 102 mm, and the reamer diameter from 3 to 102 mm, with 0.1 mm increments. All our drills and reamers adhere to M6, H7, and H8 tolerance ranges or as per customer specification.

Drills

Jobber Drill Set

Size Range: 0.3 - 20 mm



Jobber Drill - Ground

Size Range:
0.3 - 20 mm Dia



Micro Drill

Size Range:
0.7- 2.9 mm Dia

Addison Forged Drills

Addison is the leading manufacturer of Roll Forged Drills in India and is considered the market leader for providing forged form drills with German technology. These drills are tough hence don't break easily, and since the flutes are very smooth the heat generation is less, resulting in longer life of the tool.

- ▶ High Torsion Resistance
- ▶ Absolute Consistency
- ▶ Flawless Finish

Roll Forged Jobber Drills

Jobber Size:
1 - 20 mm Dia

Taper Shank Size:
3 - 31.75 mm Dia



Long & Extra Long Drills - TSTD & PSTD



Long
Size Range:
3 - 102 mm Dia

Extra Long
Size Range:
3 - 100 mm Dia

Centre Drill

Size Range:
1x3.15 mm - 10x40 mm Dia



Reamers



Carbide Tipped Drill
Size Range: 3 - 50 mm Dia



Solid Carbide Drill
Through Coolant Size
Range: 4 - 20 mm Dia



Machine Reamers - HSS

Size Range: 3 - 100 mm Dia and with
different flute, geometry and design



Solid Carbide Reamers

Size Range:
1.5 - 20 mm Dia

THREADING

Addison's wide range of HSS, HSS-E and PM Taps suit every requirement and application, and the design provides maximum machining efficiency for higher volume thread production and close tolerance. These taps ease chip flow and evacuation, reducing the risk of chip "bird nesting".

Our threading products are made in HSS M2, M35, M42, PM and in other HSS special grades conforming to IS, JIS, DIN, BS, and ANSI standards. The threading taps cover a broad range of ISO P, M, N and K materials, including helix point, straight-flute, spiral point, spiral helix, and form-type taps, and specially engineered coatings to boost performance, lengthen tool life, and maximize versatility.

Our tap diameter ranges from 3 mm to 160 mm and covers a length of 48mm to 550 mm. The tolerance adhered to is 6H, 6G or as per customer specification.

Taps



Form Taps

Size Range: M5 - M12

Long Shank Machine Taps

Size Range:
M3 - M80



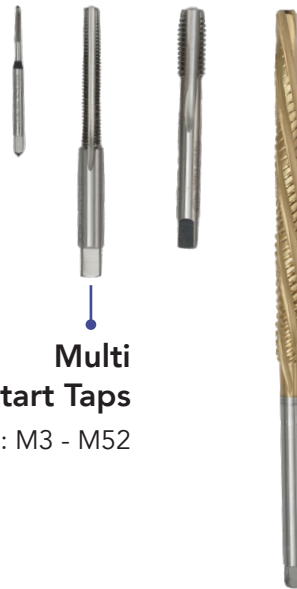
Other Types





High Performance Taps

Size Range: M3 - M16



Multi Start Taps

Size Range: M3 - M52



Spiral Flute Taps

Size Range: M3 - M68



Spiral Point Taps

Size Range: M4 - M30



Serial Tap Set

Size range: M3 - M140

SURFACE PREPARATION

Addison's wide range of HSS & Solid Carbide Endmills and HSS Milling Cutters are well-known in the industry for their premium quality. Irrespective of the milling operations, our efficient tools improve productivity and product quality to provide a competitive edge.

Our Endmills and Cutters are made in premium grades of HSS, HSSE, other special HSS grades including PM HSS and conform to IS, DIN and BS standards.

The endmills cover a wide diameter range from 3 mm to 100 mm and a length from 37 mm to 550 mm. The tolerances range are E8, JS14 or as per customer specification.

The cutters cover a wide diameter range from 30 mm to 250 mm and a width spanning 0.50 mm to 200 mm. The tolerance adhered to is JS16 or as per customer specifications.

Endmills



Roughing Endmills

Size Range: 6 - 71 mm Dia



Ball Nosed Endmills

HSS, Size Range:

3 - 50 mm Dia

Solid Carbide, Size Range:

1 - 32 mm Dia



Standard Square Endmills

Size Range:

3 - 71 mm Dia



Taper Shank Endmills

Size Range: 3 - 63 mm Dia

Solid Carbide Endmill Types



Cutters

Bore Cutters Form

Range for Concave & Convex: 1.6 - 20 mm Radius

Range for IG Cutter: 0.5 - 20 mm Module



Concave



Convex



IG

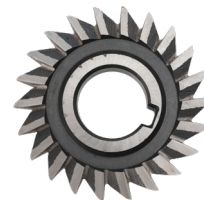
Bore Cutters M

Side & Face Cutter Size Range: 50 - 250 mm Dia

Side Angle Cutter Size Range: 40 - 160 mm Dia



Side and
Face Cutter



Single Angle
Cutter

Slot Drills



• **Slot Drill**

Size Range:
3 - 71 mm Dia

• **Metal Slitting
Saws**

Size Range:
30 - 250 mm Dia



GEAR CUTTING

Addison is also known for designing and manufacturing a wide range of Broaches and Hobs. It manufactures Helical broaches too.

We offer CNC Profile ground Spline & Helical Broaches, which are either push or pull type and can achieve bore tolerance up to H7. Our broaches are made in M2, M35, M3 Type II, M42 and PM grades and available in Tin, TiAlN, Alchroma and other special coatings.

The internal applications include Round, Keyway, Straight or Involute Form, Helical Straight spline form, Helical Involute Form, Serration, Special Internal profiles, and the external applications include Connecting Rods, Turbine Blades, Shifter Forks, and Steering Racks.

The size range of our Round & Spline broaches span a diameter of 15 mm to 160 mm, a length of up to 1500 mm and flat width from 3 mm to 200 mm, while the Helical Spline are made in diameter range from 15 mm to 160 mm and a length of up to 2000 mm, with an accuracy of 0.01 mm.

Broaches & Hobs



Round Broach

Size Range:
15 - 160 mm Dia
Length:
Upto 2000 mm



Surface Broach

Size Range:
3 - 200 mm Width
Length:
Upto 1500 mm



Keyway Broach

Size Range: 3 - 200 mm Width
Length: Upto 1500 mm



Involute Spline Broach

Size Range: 15 - 160 mm Dia
Length: Upto 2000 mm



Serration Spline Broach

Size Range: 15 - 160 mm Dia
Length: Upto 2000 mm



Straight Spline Broach

Size Range: 15 - 160 mm Dia
Length: Upto 2000 mm



Helical Pulltype Spline Broach

Size Range: 15 - 160 mm Dia
Length: Upto 2000 mm



Helical Pushtype Spline Broach

Size Range: 15 - 160 mm Dia
Length: Upto 500 mm



Hob

Size Range:
25 - 160 mm Dia
Length:
Upto 180 mm

ADDISON MACHINES

Addison's versatile and highly productive tool and cutter-grinding machines can sharpen a wide range of HSS and Carbide tipped tools. Our CNC machines use robust software for grinding complex tool geometries and offers precision and reliability. This year we have launched a CNC machine to grind new and regrind PCD/PCBN Tools. Our Newly developed and launched machines in 2023 are:

- ▶ PCD & PCBN Tool Grinding Machine
- ▶ Smart Drill Point Regrinding Machine
- ▶ End Mill/ Drill - Grinder
- ▶ Smart Tool Grinder



Exports

Addison started exporting cutting tools during the early 1960s. Within five years, the company achieved the distinction of being the largest exporter of cutting tools from India.

Today, as our exports reach many developed countries, we continue to excel and contribute through innovation, quality manufacturing and investing in technology.

Addison has been receiving the Distinguished Award for Exports by EEPC and others every year for over two decades.



Global Network

Addison has steadily created a network of partners and customers that spans the length and breadth of the globe.

Key Clients. Partners in our success

Over the years, Addison has built an enviable portfolio of national and international clients who firmly believe in the quality of our products and our customer-centric approach.



Addison Corporate Office is a magnificent heritage building located in Anna Salai in Chennai, India.





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E-Catalogues

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