

# High Speed Steel (HSS) Metal Cutting Tools: Market Research Report

https://marketpublishers.com/r/H8FA37C70FCEN.html

Date: January 2019

Pages: 224

Price: US\$ 5,600.00 (Single User License)

ID: H8FA37C70FCEN

## **Abstracts**

This report analyzes the worldwide markets for High Speed Steel (HSS) Metal Cutting Tools in US\$ Million. The Global market is further analyzed by the following Product Types: HSS Milling Tools, HSS Drilling Tools, HSS Tapping Tools, HSS Reaming & Counterboring Tools, HSS Gear Cutting Tools, and HSS Broaching Tools.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America. Annual estimates and forecasts are provided for the period 2016 through 2025. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 87 companies including many key and niche players such as -

Addison & Co., Ltd.

Aloris Tool Technology Co., Inc.

BIG Kaiser Precision Tooling, Inc.

DeWALT

Greenfield Industries, Inc.

Guhring, Inc.



## **Contents**

## 1. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study

#### 2. INDUSTRY OVERVIEW

Metal Cutting Tools: An Intrinsic Part of Machine Tools Industry

**Table 1.** Global Machine Tools Market (2019E): Percentage Breakdown of Dollar Sales by Product Group (includes corresponding Graph/Chart)

**Table 2.** Global Metal Cutting Tools Market (2019E): Percentage Breakdown of Dollar Sales by Type of Metal Cutting Machine (includes corresponding Graph/Chart)

**Table 3.** Global Metal Cutting Tools Market (2019E): Percentage Breakdown of Dollar Sales by Region/ Country (includes corresponding Graph/Chart)

High Speed Steel (HSS): An Established Material for Manufacturing Cutting Tools HSS Metal Cutting Tools Market: An Overview Importance of the Manufacturing Sector for HSS Metal Cutting Tools: A Brief Review

**Table 4.** World HSS Metal Cutting Tools Market by End-Use Sector (2019E): Percentage Breakdown of Dollar Sales for Heavy Machinery, Metal Fabrication, Oil & Gas, Transportation, and Others (includes corresponding Graph/Chart)

Market Prospects Remain Highly Favorable
Developing Regions to Maintain their Prominent Role in the Market Growth
Off-Shoring of Manufacturing Activity Boosts Demand
Rapid Mushrooming of Job Shops Spurs Cutting Tools Sales
Non-BRIC Emerging Markets to Exhibit Faster Growth in the Coming Decade...



**Table 5.** World HSS Metal Cutting Tools Market by Region (2019E & 2025P): Percentage Breakdown of Dollar Sales for Developed and Developing Regions (includes corresponding Graph/Chart)

**Table 6.** World HSS Metal Cutting Tools Market - Geographic Regions Ranked by Value CAGR for 2016-2025: Asia-Pacific, Middle East & Africa, Latin America, Europe, US, Japan and Canada (includes corresponding Graph/Chart)

Developed Regions Continue to Generate Opportunities Prevailing Macro Scenario Supports Market Expansion

**Table 7.** World Real GDP Growth Rates in % (2017-2020): Breakdown by Country/Region (includes corresponding Graph/Chart)

## 3. NOTEWORTHY TRENDS, GROWTH DRIVES & ISSUES

Taps: The Largest & Fastest Growing HSS Cutting Tools Segment

**Table 8.** Percentage (%) Share of Taps in World HSS Metal Cutting Tools Market (2019E & 2025P) (includes corresponding Graph/Chart)

High Demand for Twist Drills Augurs Well
Sales of HSS End Mills Gather Steam
Growing Aircraft Production Instigates Significant Momentum
Opportunity Indicators

**Table 9.** World Market for Aircraft, Engines, Parts and Equipment (2018): Percentage Breakdown of Sales by Geographic Region (includes corresponding Graph/Chart)

**Table 10.** Global Air Traffic Flow (In Billion Revenue Passenger Kilometers (RPKs) for the Years 2011, 2015, 2020P & 2030P (includes corresponding Graph/Chart)

Stable Automotive Production Augurs Well Opportunity Indicators



**Table 11.** World Production of Passenger Cars: Breakdown of Annual Production Figures in '000 Units for Years 2017 & 2020P by Geographic Region/Country (includes corresponding Graph/Chart)

**Table 12.** World Production of Commercial Vehicles: Breakdown of Annual Production Figures in '000 Units for Years 2017 & 2020P by Geographic Region/Country (includes corresponding Graph/Chart)

Heavy Equipment/Machinery Manufacturing Industry Extends Robust Opportunities Expanding Application Areas to Boost Future Prospects

Robust Emphasis on Renewable Energy

**Table 13.** Global Investments in Renewable Energy (2007-2017): Breakdown of New Investments (US\$ Billion) for China, India & Brazil; Other Developing; and Developed Countries (includes corresponding Graph/Chart)

**Table 14.** Global Investments in Renewable Energy by Sector (2017): Breakdown of New Investments (US\$ Billion) for Biofuels, Biomass & Waste-to-Energy, Geothermal, Marine, Small Hydro, Solar, and Wind (includes corresponding Graph/Chart)

Growing Investments in Railway Infrastructure Upgrade
Recycled & Scrap Metal Gain Traction in HSS Cutting Tools
Stable Alloying Metal Prices Diminish Cost Pressures
Growing Penetration of Cemented Carbide Cutting Tools: A Red Hot Issue
Despite Strong Competition From Carbide Tools, HSS Metal Cutting Tools will Continue to Flourish

Industry Pins Hopes on Powder Metallurgical HSS to Spearhead Market Revival HSS PM Tools Bank on Performance Attributes to Compete in the Market Technology Developments & Product Enhancements – Need of the Hour Technology Evolution in the HSS Space

#### 4. PRODUCT OVERVIEW

Metal Cutting Tools
Cutting Tool Materials
Cermets and Ceramics
Carbon Steel
CBN and Diamond



Carbides

High Speed Steel

High-Speed Steel - Overview

Regular Steel Vs Special Steels

**HSS Vs Carbide** 

Carbide Drill Bits - High-Speed Drill Bits

HSS Vs High Carbon Steel

Early HSS

Major Types of HSS

Alloy Materials in HSS: An Overview

Alloy Materials & Their Role

Influence of Alloy Materials: A Comparative Analysis

**HSS Grades and Alloying Compositions** 

High Speed Steel Properties

Requisite Characteristics for Superior Performance of HSS Tools

**High Hardness** 

High Resistance to Wear

High Impact Resistance

**Hot Hardness** 

**Cutting Speed** 

Cutting Speeds of Plain HSS Cutter

Surface Treatment of HSS

Impact on Tool Efficiency

Heat-Treatment of HSS

Modular Tooling

Powder Metallurgical HSS

Making Conventional and P/M HSS

P/M Steel – An Assessment

P/M Vs Solid Carbide

P/M Steel's Grindability

HSS Cutting Tools: The Wear and Tear Factor

**Tool Wear** 

**Abrasive Wear** 

Adhesive Wear

Superior Performance through HSS Cutting Tools

Product Types – Scope and Definitions

Milling

Milling Machines

Face Milling



Spiral Milling

Peripheral Milling

Gang Cutting, Slitting, Milling

End Mill

Milling Cutter

Drilling

**Drills** 

Metal Drilling

**Tapping** 

Reaming

Counterboring

**Gear Cutting** 

Broaching

**Broaching Machine** 

#### 5. COMPETITIVE LANDSCAPE

North American & European Companies Maintain Robust Footprint

Asian Manufacturers Emerge as Major Competitive Threat

5.1 Focus on Select Global Players

Addison & Co., Ltd. (India)

Aloris Tool Technology Co., Inc. (USA)

BIG Kaiser Precision Tooling, Inc. (USA)

DeWALT (USA)

Greenfield Industries, Inc. (USA)

Guhring, Inc. (USA)

Kennametal, Inc. (USA)

LMT Group (Germany)

LMT Onsrud LP (USA)

LMT Tools USA L. P. (USA)

Morse Cutting Tools (USA)

Nachi-Fujikoshi Corp. (Japan)

Nachi America, Inc. (USA)

Niagara Cutter, LLC (USA)

OSG Corporation (Japan)

OSG Korea Corporation (South Korea)

OSG USA, Inc. (USA)

Somta Tools (Pty) Ltd. (South Africa)

Raymond Limited (India)



Sandvik Group (Sweden)

Sandvik Coromant Co. (Sweden)

Shanghai Machine Tool Works Ltd. (China)

Sutton Tools (Australia)

Tiangong International Co., Ltd. (China)

Tivoly SA (France)

Walter AG (Germany)

YG-1 Tool Co., Ltd. (South Korea)

5.2 Product Introductions/Launches

OSG USA Adds SOMTA Brand Cutting Tools

TIVOLY Introduces New Tivoly Saber Saw Blades

OSG USA Unveils New Products and Product Expansions to OSG Lineup

BIG KAISER Unveils Novel Versions of C-Centering Cutter

Sandvik Coromant Introduces High-Feed Version of CoroMill

**Dormer Pramet Unveils Cutting Tool Products** 

Stanley Black & Decker Unveils Three Tool Brands

Sul Corte Introduces PVD Coated HSS Saw Blades

5.3 Recent Industry Activity

Dormer Pramet Acquires Wetmore Tool and Engineering

Sandvik Coromant to Launch New Sandvik Coromant Centre in Renningen, Germany

LMT Group Inaugurates New Facility in Nanjing, China

Dormer Pramet Joins The Whittemore Co

MachiningCloud Partners Keo Cutters

Stanley Black & Decker Takes Over Newell Tools

#### 6. GLOBAL MARKET PERSPECTIVE

**Table 15.** World Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 16.** World 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/ Country - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)



**Table 17.** World Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Product Type - HSS Milling Tools, HSS Drilling Tools, HSS Tapping Tools, HSS Reaming & Counterboring Tools, HSS Gear Cutting Tools and HSS Broaching Tools Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 18.** World 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Product Type - Percentage Breakdown of Dollar Sales for HSS Milling Tools, HSS Drilling Tools, HSS Tapping Tools, HSS Reaming & Counterboring Tools, HSS Gear Cutting Tools and HSS Broaching Tools Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)

## 7. REGIONAL MARKET PERSPECTIVE

7.1 The United States

A. Market Analysis

Prevailing Trends in Key End-Use Sectors Widen Market Prospects

US Manufacturing Sector to Gain from Shale Gas Revolution & Ongoing Thrust towards Curbing Imports

Metal Cutting Tools Industry in the US: An Overview

Distributor Strategy

HSS Metal Cutting Tools – Competitive Scenario

Domestic Players Remain the Core Suppliers

Growing Competition from Asian Manufacturers

**Key Statistical Data** 

**Table 19.** US HSS Metal Cutting Tools Market (2018): Percentage Share Breakdown of Dollar Sales by Region (includes corresponding Graph/Chart)

B. Market Analytics

**Table 20.** US Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.2 Canada

A. Market Analysis



A Niche Market

Canadian Machine Tools Industry: An Overview

B. Market Analytics

**Table 21.** Canadian Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.3 Japan

A. Market Analysis

Market Overview

Japan: A Major Machine Tools Market

B. Market Analytics

**Table 22.** Japanese Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4 Europe

A. Market AnalysisA Mature yet Growing MarketFuture Prospects Remain FavorableEuropean Machine Tools Industry

**Table 23.** European Machine Tools Market (2014, 2019E and 2024P): Breakdown of Dollar Sales (in US\$ Million) by Product Group/Segment (includes corresponding Graph/Chart)

**Table 24.** European Machine Tools Market (2019E): Percentage Breakdown of Dollar Sales by Region/ Country (includes corresponding Graph/Chart)

B. Market Analytics

**Table 25.** European Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - France, Germany, Italy, UK,



Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 26.** Europe 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)

7.4.1 France Market Analysis

**Table 27.** French Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4.2 Germany

A. Market Analysis

Huge Industrial Base Makes Germany a Prime Consumer of HSS Metal Cutting Tools German Machine Tools: The Stamp of Excellence Market Movers and Shapers

**Table 28.** German Machine Tools Market (2018): Percentage Breakdown of Participating Companies by Size and Production (includes corresponding Graph/Chart)

**Table 29.** German Machine Tools Market (2018): Percentage Breakdown of Participating Companies by Region (includes corresponding Graph/Chart)

B. Market Analytics

**Table 30.** German Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4.3 Italy

A. Market AnalysisItalian Machine Tools Industry



## B. Market Analytics

**Table 31.** Italian Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4.4 The United Kingdom

A. Market Analysis

The UK Machine Tools Industry

B. Market Analytics

**Table 32.** UK Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4.5 Spain

A. Market Analysis

Spanish Machine Tools Sector

B. Market Analytics

**Table 33.** Spanish Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.4.6 Russia

A. Market Analysis

Prevailing Trends in Oil & Gas and Defense Sectors Drive Growth

Russian Machine Tools industry: An Overview

B. Market Analytics

**Table 34.** Russian Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

#### 7.4.7 Rest of Europe



Market Analysis

**Table 35.** Rest of Europe Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.5 Asia-Pacific

A. Market Analysis

Opportunities Rife in the Robust Asia-Pacific Industrial Manufacturing Sector Asian Countries March Ahead Even on Production Front

B. Market Analytics

**Table 36.** Asia-Pacific Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - China, India, South Korea, Taiwan, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 37.** Asia-Pacific 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - Percentage Breakdown of Dollar Sales for China, India, South Korea, Taiwan, and Rest of Asia-Pacific Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)

7.5.1 China

A. Market Analysis

China – Leading Consumer & Producer of HSS Cutting Tools

**Table 38.** Percentage (%) Share of China in Worldwide HSS Metal Cutting Tools Market (2019E & 2025P) (includes corresponding Graph/Chart)

Vast Industrial Manufacturing Sector Creates Ample Opportunities Increasing Activity in Domestic Automotive Sector Military Modernization Programs

Machine Tools Industry in China: An Overview

Market Structure



**Table 39.** Chinese Machine Tools Market (2018): Percentage Breakdown of Sales Revenue by Tool Makers (includes corresponding Graph/Chart)

**Table 40.** Chinese Machine Tools Market (2018): Percentage Share Breakdown of Ownership by Tool Makers (includes corresponding Graph/Chart)

B. Market Analytics

**Table 41.** Chinese Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.5.2 India

A. Market Analysis

India: A Lucrative Market

HSS – A Major Cutting Tools Category

Indian Machine Tools Industry: An Overview

Factors Affecting the Indian Machine Tools Industry

**Table 42.** Indian Machine Tools Market (2018): Percentage Share Breakdown of Value Production by Zone (includes corresponding Graph/Chart)

Competitive Scenario
Stiff Competition Between Domestic Players and Foreign Vendors
Domestic Players Focus on Export Markets
B. Market Analytics

**Table 43.** Indian Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.5.3 South Korea

A. Market Analysis

Automotive and Shipbuilding Sectors Extend Opportunities

Korean Machine Tools Industry

B. Market Analytics



**Table 44.** South Korean Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.5.4 Taiwan
A. Market Analysis
Machine Tools Industry in Taiwan
Exports Scenario
B. Market Analytics

**Table 45.** Taiwan Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.5.5 Rest of Asia-Pacific Market Analysis

**Table 46.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.6 Middle East & Africa Market Analysis

**Table 47.** Middle East & Africa Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - South Africa and Rest of Middle East & Africa Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 48.** Middle East & Africa 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - Percentage Breakdown of Dollar Sales for South Africa and Rest of Middle East & Africa Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)



7.6.1 South Africa Market Analysis

**Table 49.** South African Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.6.2 Rest of Middle East & Africa Market Analysis

**Table 50.** Rest of Middle East & Africa Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.7 Latin America Market Analysis

**Table 51.** Latin American Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

**Table 52.** Latin American 10-year Perspective for High Speed Steel (HSS) Metal Cutting Tools by Geographic Region/Country - Percentage Breakdown of Dollar Sales for Brazil and Rest of Latin America Markets for Years 2016, 2019 and 2025 (includes corresponding Graph/Chart)

7.7.1 Brazil Market Analysis

**Table 53.** Brazilian Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

7.7.2 Rest of Latin America



## Market Analysis

**Table 54.** Rest of Latin America Recent Past, Current & Future Analysis for High Speed Steel (HSS) Metal Cutting Tools Market Analyzed with Annual Sales in US\$ Million for Years 2016 through 2025 (includes corresponding Graph/Chart)

## 8. COMPANY PROFILES

Asia-Pacific (Excluding Japan) (20)

Africa (2)

Total Companies Profiled: 87 (including Divisions/Subsidiaries - 98)
The United States (53)
Canada (3)
Japan (7)
Europe (13)
France (2)
Germany (5)
The United Kingdom (2)
Rest of Europe (4)



## I would like to order

Product name: High Speed Steel (HSS) Metal Cutting Tools: Market Research Report

Product link: <a href="https://marketpublishers.com/r/H8FA37C70FCEN.html">https://marketpublishers.com/r/H8FA37C70FCEN.html</a>

Price: US\$ 5,600.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

## **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/H8FA37C70FCEN.html">https://marketpublishers.com/r/H8FA37C70FCEN.html</a>