



## 2016

### JANUARY

ARTICLES:

Performance of resharpened carbide tools when milling P20 steel for moulds and dies

Evaluation of machining forces and surface finishing in turning process using cutting fluids contaminated by microorganisms

GUIDES:

► **Rotary files**

► **Boring and facing automatic heads**

### FEBRUARY

ARTICLES:

A review on key aspects of micromachining process

Analysis of machining parameters using virtual machine tool simulation

GUIDES:

► **Deep hole drilling tools**

► **Machine tools enclosures**

### MARCH

**SPECIAL: Feimec International Machinery and Equipment Exhibition (May 3<sup>rd</sup> to 7<sup>th</sup>, São Paulo Expo, SP)**

ARTICLES:

Optimizing the use of cutting fluid in machining operations

Deep drilling nickel based alloys

GUIDES:

► **Reamers**

EXTRA CIRCULATION AT:

► **Feimec**

► **Inside 3D Printing (April 4<sup>th</sup> and 5<sup>th</sup>, Centro de Convenções Frei Caneca, SP)**

### APRIL

**SPECIAL: 31ª Mecânica – International Machinery and Industrial Supplier Trade Fair (May 17<sup>th</sup> to 21<sup>st</sup>, Anhembi, São Paulo, SP)**

ARTICLES:

Innovative technologies in turbine blades manufacture

Cutting edge preparation of single lip gun drills

GUIDES:

► **High speed rotary heads**

EXTRA CIRCULATION AT:

► **Feimec**

► **Mecânica**



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### MAY

**SPECIAL: Tool & dies shops directory**

ARTICLES:

Relation between dimensional quality and the tool pre-setting method used in machining center  
Efficient milling of titanium alloys

GUIDES:

▶ **Machine tool spindle service suppliers guide**

### JUNE

**SPECIAL: Carbide inserts suppliers guide**

ARTICLES:

Machinability of low carbon free-machining leaded steel ABNT 12L14  
Automating complex workpieces measurement process

GUIDES:

▶ **Parts washing machines**

### JULY

ARTICLES:

Monitoring the grinding of advanced ceramic using vibration and roughness parameters  
Trends in automotive turbochargers manufacturing

GUIDES:

▶ **CNC rotary tables**  
▶ **Oil recovery skimmers**

### AUGUST

ARTICLES:

Analysis of cutting forces during full and pre-hole drilling processes of AISI P20 hardened steel  
Machining screw compressor rotors

GUIDES:

▶ **Gear cutting tools**  
▶ **Tombstones, angle plates and subplates for fixing workpieces**

### SEPTEMBER

ARTICLES:

Cutting edge preparation of mixed ceramic tools and its application in turning hardened steel  
Solid gear hob cutters reduce costs in serial production

GUIDES:

▶ **MQL systems**  
▶ **Boring bars**



## 2016

### OCTOBER

**SPECIAL:** [The 1st Inventory of robots in Brazilian metalworking companies](#)

**ARTICLES:**

Performance of HSS tools in cryogenic machining of ABNT 1020 steel  
Coating and tool geometry optimize titanium alloys milling process

**GUIDES:**

- ▶ [Vertical turning machines](#)
- ▶ [Micro drills and micromills](#)

### NOVEMBER

**SPECIAL:** [Job shops directory](#)

**ARTICLES:**

Influence of cutting parameters in frontal milling of GG25 gray cast iron with ceramic tools  
Cooling strategies for machining titanium alloys

**GUIDES:**

- ▶ [Honing machines](#)

### DECEMBER

**ARTICLES:**

Improvement of gray iron cast drilling process using carbide twist drills  
Lead free steels with good machinability

**GUIDES:**

- ▶ [Horizontal boring machines](#)
- ▶ [Chip processing equipment](#)