

MÁQUINAS E METAIS is published monthly by Aranda Editora Técnica e Cultural Ltda., and reports on trade and technical matters in the whole field of machine tool, cutting tool, devices, fixtures and components for machine tool.

FIELDS

- Machining
- Quality control
- Manufacturing processes
- Automation
- Tool management

EDITORIAL CONTENTS

Editorial content includes news, special features, interviews, technical articles based on practical problem solutions, new products, buyer’s

guide for machines (EDM, machining center, lathes, etc), industrial software, computer hardware, job shop tooling, subcontracting, CAD/CAM, cutting tool, reports on international shows (EMO, IMTS, and JIMTOF etc.).

DISTRIBUTION

There is no subscription fee in Brazil for corporate executives and manufacturing engineers in qualified metalworking plants, engaged in material cutting and processing. All others may subscribe at US\$ 100.00 per year.

PROFILE - base: december 2011

READERSHIP

Corporate executives	4,728
Managers	7,935
Engineers, technicians	1,690
Researchers, others	647
TOTAL	15,000

Medical, odontological and hospital equipment	143
Hydraulics and pneumatics	874
Electrical, electronic and communication equipment	278
Agricultural implements and machinery	797
Metallurgy (foundry, forging, siderurgy)	869
Material handling equipment manufacturers	204
TOTAL	13,367

INDUSTRIAL BRANCHES

Job Shop	4,547
Tool and Die	2,261
Accessories, components and tools for machine tools	1,225
Automotive and autoparts	1,134
Iron, steel and non-ferrous material distributors and dealers	433
House appliances	119
Schools	483

GEOGRAPHICAL BREAKDOWN – BRAZIL

North	111
Northeast	340
Middle West	10,949
Southeast	3,402
South	198

EDITORIAL CALENDAR 2012

JANUARY

Special: Machine tools importers' guide

- ARTICLES: ▶ Analysis of internal broaching process of hardened profiles using diamond tools
▶ Influence of hole configuration (through/blind) on machining quality
▶ Monitoring dressing process by acoustic emission and cutting power
▶ Kinematic analysis of helical milling process

- GUIDES: ▶ **Sawing machines suppliers**
▶ **Machine vises suppliers**

FEBRUARY

- ARTICLES: ▶ Ti6Al4V alloy surface integrity obtained by EDM using graphite electrodes
▶ Machinability of ultrafine grainsteel
▶ Process monitoring: resolution analysis of the variable monitored in the open architecture CNC makes
▶ Ti machining more productive

- GUIDES: ▶ **Drills**
▶ **Indexing tables' manufacturers**
▶ **Morsas**

- CIRCULATION AT: ▶ Chuck suppliers
PREVIEW: ▶ FMU – 6th Job shop, molding and machining show (Joinville, March 20 to 23)

MARCH

- ARTICLES: ▶ AISI H13 Machinability study of annealed and hardened AISI H13 steel
▶ Implementing supervisory software in dental implant micromachining process
▶ Vibration and roughness analysis in shafts turning with using power Cepstrum
▶ Drilling carbon fiber reinforced plastics components

- GUIDES: ▶ **Threading tools**
▶ **Grinding wheel manufacturers**
▶ **Engraving machines manufacturers**

- CIRCULATION AT: ▶ International Mechanical Fair

APRIL

Special: Brazil International Mechanical Fair (São Paulo, May 22 to 26)

- ARTICLES: ▶ Cutting conditions effects on cutting force and specific cutting pressure of COS AR 60 steel
▶ Machining Inconel 751 alloy with cera
▶ Reducing β -Si₃N₄ tool wear when machining cast iron
▶ Modeling roughness when turning ABNT 52100 hardened steel with wiper geometryceramics
▶ Using robots for grinding nickel or titanium components

- GUIDES: ▶ **Special steel supplier's**

- CIRCULATION AT: ▶ Brazil International Mechanical Fair

MAY

- ARTICLES: ▶ Protection system avoids spindle collision damages
▶ Tool wear analysis when milling AISI 420 stainless steel using different coatings
▶ Remote monitoring of machining process using MTConnect
▶ MQL behavior analysis in external cylindrical grinding

- GUIDES: ▶ **Horizontal lathes manufacturers**
▶ **Microdrills and micromills**

JUNE

Special: Hard metal inserts suppliers guide

- ARTICLES: ▶ Five axis grinding process: the right tool and strategy
▶ CAD/CAM: influence of different milling strategies on the quality of workpiece
▶ Evaluating finishing operation quality in AISI 304 stainless steel machining process
▶ New direction for use biocides in cutting fluids

- GUIDES: ▶ **Deep hole drills suppliers**
▶ **Horizontal boring and milling machines builders**

- PREVIEW: ▶ IMTS 2012 (September, 10 to 15, Chicago, USA)

EDITORIAL CALENDAR 2012

JULY

- ARTICLES: ▶ High performance gun drills
▶ Effects of cutting tool face laser texture on cutting forces
▶ Influence of cutting parameters on burr formation when turning low alloy steels

- GUIDES: ▶ **Conventional milling machines**
▶ **Cutting fluid treatment & recycling services suppliers**
▶ **Ceramic inserts suppliers**

PREVIEW: ▶ 26th BIMU (October, 2 to 6, Milan, Italy)

- CIRCULATION AT: ▶ Febramec – Trade Fair (Caxias do Sul, RS, August, 7 to 10)
▶ Expomac – Metal Show (Rio de Janeiro, August, 22 to 25)

AUGUST

- ARTICLES: ▶ Analysis of cutting forces when drilling austenitic stainless steel alloys
▶ Evaluating CBN tools wear and its influence on surface roughness in hard turning process

- GUIDES: ▶ **Lubricant suppliers**
▶ **Handling and storage systems manufacturers for cutting tools**
▶ **Milling cutter suppliers**

CIRCULATION AT: ▶ Expomac Show (September, 22 to 29, Curitiba, PR)

SEPTEMBER

Special: USINAGEM 2012 – The Machining Show and Congress (SP, October, 16 to 19)

- ARTICLES: ▶ Temperature behavior analysis when milling AISI 4340 steel
▶ A method for automatic optimization of cutting parameters
▶ Influence of vegetable based cutting fluids on cutting forces when turning ABNT 1050 steel and microorganism growth analysis

- GUIDES: ▶ **Honing machines manufacturers**
▶ **Presetter suppliers**

CIRCULATION AT: ▶ Mercopar (Caxias do Sul, October, 23 to 26)
▶ Usinagem 2012

OCTOBER

- ARTICLES: ▶ Analysis of cast iron surfaces milled with wiper insert
▶ Lean machining

- GUIDES: ▶ **CNC horizontal lathes builders**
▶ **Iron and steel producers and distributors**
▶ **EDM consumables suppliers**

CIRCULATION AT: ▶ MecMinas Show (Belo Horizonte, MG, November, 6 to 9)

NOVEMBER

Special: Job Shops directory

- ARTICLES: ▶ Surface quality in hardened D2 steel milling
▶ Evaluating tool wear evolution using parameters applied to a neural network
▶ Effect of CNC programmed feed variation during tapping vermicular iron

- GUIDES: ▶ **Jaw manufacturers**
▶ **Cutting tools dealers**

DECEMBER

- ARTICLES: ▶ Comparing VP50IM and N2711 die steels machinability in end milling process
▶ Performance of distinct tool sharpening methods in turning nodular iron
▶ Ultrasonic treatment improves cutting tool life

- GUIDES: ▶ **Automatic lathes suppliers**
▶ **Vertical machining center manufacturers**
▶ **Cylindrical grinding machine manufacturers**

ADVERTISE

ADVERTISEMENT RATES (US\$) – 2012

SIZE	4 COLOURS
1/1	4,324.00
2/3	3,458.00
1/2	2,822.00
1/3	2,072.00
1/4	1,507.00
1/6	1,076.00

Closing date (material):

5th preceeding month

Closing date (insertion order):

20th preceeding month

Circulation dates:

The end of the month of cover

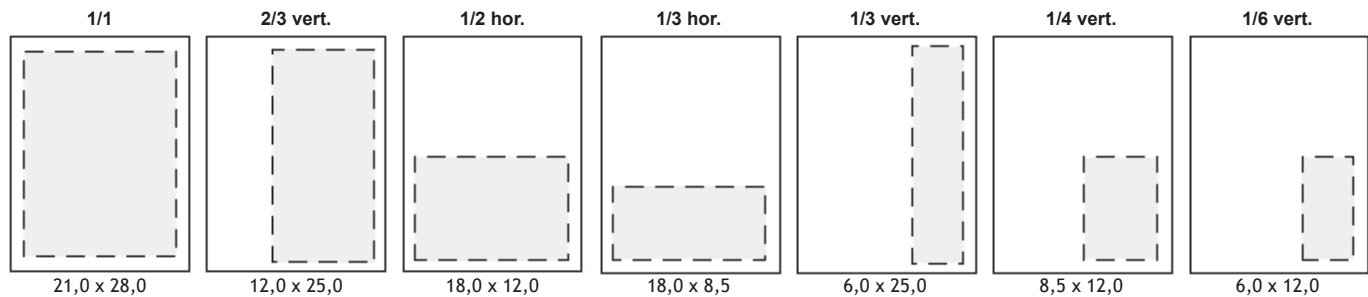
Material:

Digital file – resolution: 300 dpi or higher (at full size) colour: CMYK – format: TIFF/JPEG/ EPS Printing: offset

OBSERVATION

- 1) Frequency discount: 3... 5 = 5%; 6... 8 = 10%; 9 ... 12 = 15%; 13... = 18%
- 2) Preferred positions: special positions 15% extra
- 3) Agency comissions: 15% on gross billing will be allowed to recognized advertising agencies, on space and position
- 4) Payment: 15 days after date invoice.
- 5) Translations: the publisher will undertake translations and typesetting of all ads copy, free of charge. Bear in mind that Portuguese copy runs 15% to 18% longer than the English copy.
- 6) Cancellations & late material: cancellations and changes in orders will not be accepted after closing dates.
- 7) Inserts: please call for rates.
- 8) Direct mail services: lists are not available for rent.

SIZE (cm)



REQUIREMENTS FOR ELECTRONIC FILES

Our magazines are produced with computer-to-plate technology for all printed material, and advertisers must supply digital files, according to the following specifications.

Platform: PC

Media: by e-mail (to adfiles@arandanet.com.br, size limit 10 Mb), CD or Zip disk, with matchprint proof (SWOP preferred, www.swop.org)

1. PDF, should be distilled using Press Quality job options. Ensure all links are valid and images are 300 dpi CMYK tiffs or eps. Set the PDF compatibility to Acrobat 4 (PDF 1.3). Object level compression should be off, binding left, resolution of 2400 dpi. Down sample CMYK images over 330 dpi to 300 dpi. Use ZIP or CCITT compression, never JPEG. Embed all fonts. Change color settings to color management OFF and preserve transfer functions.
2. TIFF, 300 dpi minimum, CMYK for color ads, grayscale for B/W ads. Turn color management off and uncheck ICC profiles. Do not use jpeg compression.
3. EPS, convert all fonts to outlines. Use only CMYK images. Do not trap colors.
4. NATIVE, PageMaker, InDesign and Quark files are accepted, but may require additional time for processing. Include all fonts, images and a file list/report.

File name: write proper file extensions in the file name (.PDF, .TIF, .EPS, .QXD, .PMD, etc.). Do not use forward slashes, backslashes or quote marks in file name.

Mechanica: trim size is 210 x 280 mm. Extend all bleeds 5 mm past trim. Keep all essential material 10 mm from trim. Total density maximum <280%. Trapped files are not accepted. All color images must be 300 dpi CMYK tiff or eps with color management/embedded ICC Profiles OFF. Color cannot be guaranteed if any images must be converted to CMYK from other modes such as RGB or LAB. Unless otherwise requested, disks will be discarded.

Color proofs: at 100% with crop marks must accompany all electronic files.

Contract-quality color proofs matching SWOP standards (Matchprint, Kodak Approval, Cromalin) are preferred and required for color guidance on press. Laser or inkjet printouts may be accepted for content only. If color is not critical, and no color proof will be submitted for press guidance, the information must be in writing.

Register marks: film for color ads should have four centered register marks identical in each color located approximately 10 mm outside the “live” area of the ad. Where ads are less than full page (non-bleed) it may be necessary for the printer to remove the register marks before plating. Any removal of register marks required for page form assembly is the responsibility of the printer. Register marks should include solid lines at least 5 mm long on both axes. The lines should be precisely the same width (thickness) in each color.8) Direct mail services: lists are not available for rent.

