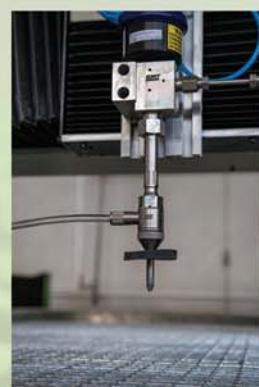


AQUA JET



WATERJET machine





Water JET

O kompaniji

Kao porodična kompanija sa višegodišnjim iskustvom u oblasti industrijske automatizacije i robotike, organizovali smo proizvodnju CNC mašina industrijske klase koje svoju primenu nalaze u gotovo svim granama industrijske proizvodnje.

Proizvodni resursi kojima raspolaćemo omogućavaju nam da brzo i kvalitetno proizvedemo sve potrebne elemente koji predstavljaju sastavne delove mašina. Naši proizvodi sadrže originalne delove brendiranih svetskih proizvođača.

Svi naši proizvodi mogu imati proširenu garanciju u trajanju od 3 godine. U nastojanju da Vam obezbedimo sigurno eksplorisanje naših proizvoda bez zastoja, naš tehnički servis Vam svakodnevno stoji na raspolaganju putem telefonske podrške ili u najkraćem roku na licu mesta!

About Arpel

As the family company with great experience in the field of Industry Automation and Robotics, we have organised manufacturing of industry class CNC machines that fit into almost all segments of industrial production process.

By using high end manufacturing resources we are able to machine all the parts for products we made, fast and precise. Vital parts that are built in are manufactured by well branded world manufacturers.

All our products might be covered by extended warranty of three years. In the aim to provide reliable exploitation of our products with no downtime, our technical assistance service is looking after you not only by teleservice, but also at your site as soon as possible!

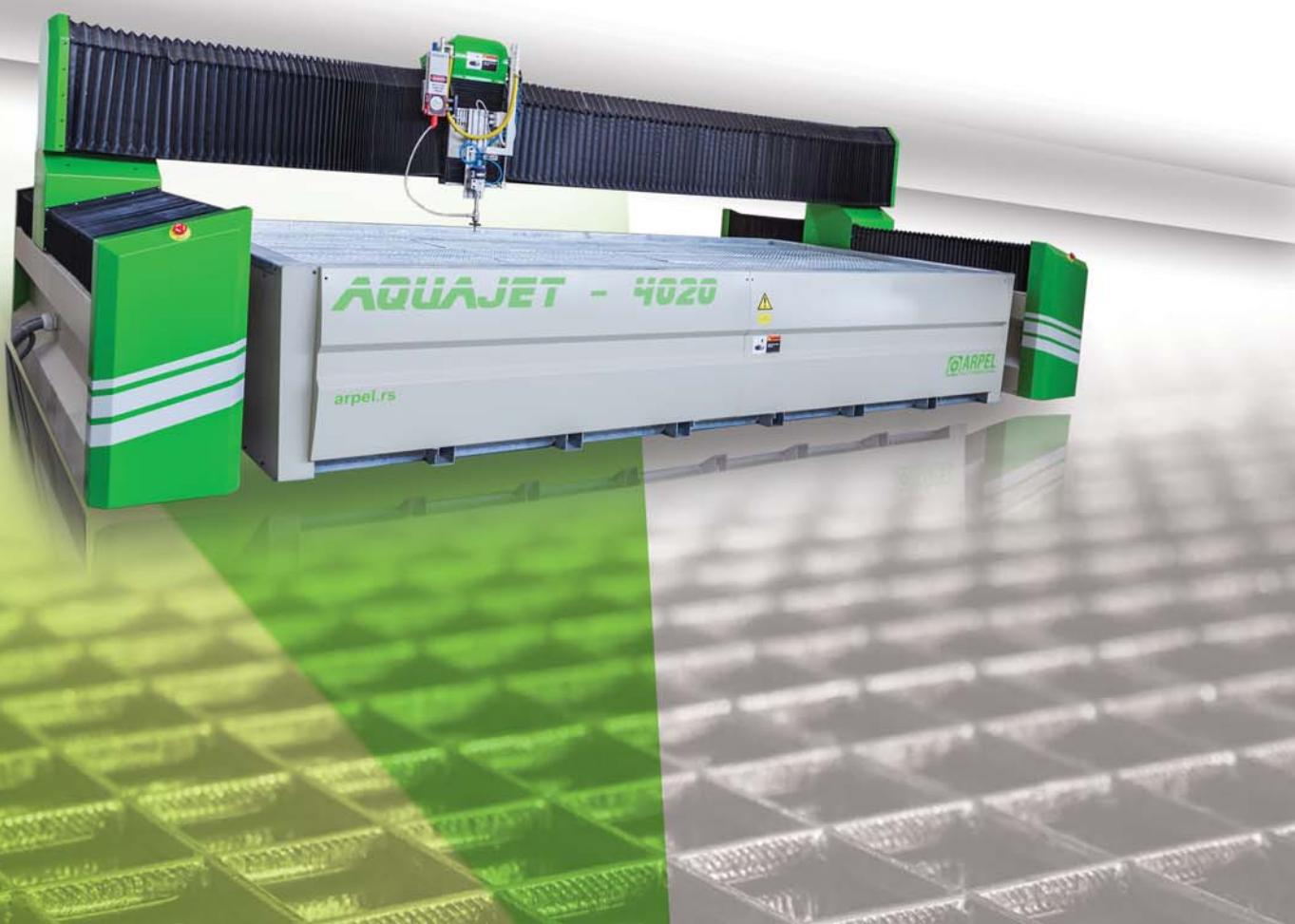
AQUAJET

Za razliku od ostalih tehnologija beskontaktnog rezanja koje poseduju brojna ograničenja u pogledu materijala koji se mogu obradivati, rezanje vodenim mlazom (waterjet) nema takav hendikep. Ovom tehnologijom moguće je rezati gotovo sve materijale, od izuzetno tvrdih poput titanijuma, granita, inoksa, neprobojnog stakla pa do najmekanijih kao što su brojni kompoziti, sunđeri, pene. Jedna od bitnijih prednosti ove tehnologije je neunošenje energije u materijal, odnosno odsustvo termičke obrade.

Čitava konstrukcija zaštićena je toplim cinkovanjem od vodene agresije. Kompletan sistem visokog pritiska kao i sistem dostave abraziva proizveden je od strane KMT kompanije koja je svetski lider u oblasti rezanja vodenim mlazom.

Besides the other non-contact cutting technologies, that have a lot of restrictions in aspect of sorts of materials that can be cut, waterjet technology does not have such handicap. Water can cut almost all materials, like extremely hard as titan, granite, stainless steel, bullet proof glass, but also very soft like sponge, foams, composites. One of the most important advantages is processing with no energy involved, no thermal treatment.

Entire machine base is protected from water aggression by heat zinc treatment. High Pressure system and all of subassemblies are designed and manufactured by American KMT – world leader in water jet cutting technology.



Karakteristike osnovnih modela / Standard Model Specifications:

KMT sistem visokog pritiska i distribucije abraziva. Dokazan kvalitet, svetski lider među proizvođačima.

KMT high pressure delivery and Bulk abrasive feed assembly. Proven quality, world leader among UHP manufacturers.



Kuglična navojna vretena i linearni sistem vodica za veliku preciznost. AC Servo pogon svih osa obezbeđuje velike brzine i ubrzanja.

Ball screw transmission & linear guideways for high accuracy. AC Servo drive of all axis provide high speed and acceleration.



Lantek CAD/CAM softver do maksimuma optimizuje postavljanje delova na tabli, što drastično smanjuje otpad i ubrzava proizvodnju.

Lantek CAD/CAM software optimises arrangement of parts on the sheet to the maximum in order to avoid waste and speed up the production process.

- Obrada svih materijala jednim alatom, do 300mm debljine.
Wide range of materials with single tool, up to 300mm.
- Odsustvo termičke obrade i mehaničkog stresa.
No heat affected zones or mechanical stress.
- Odsustvo otrovnih gasova, tečnosti ili ulja korišćenih ili proizvedenih tokom obrade.
No noxious gasses, liquids and oils used or caused by machining process.
- U skladu sa prirodom, tih i čist process obrade uz nisku potrošnju energije.
Environmentally friendly system, quiet and clean operation with low energy consumption.

- Upravljački softver na Windows platformi.
Windows based control software.
- Pocinkovana konstrukcija i bazen.
Fully Heat Zinc treatment.
- Centralno podmazivanje.
Central lubrication.
- Zaštitne harmonike.
Protective covers.
- Jednostavan pristup sa sve četiri strane.
4 side accessibility.
- Teleservis i podrška na daljinu.
Remote assistance.
- Isporučuje se fabrički testirana.
Shipped preassembled and factory tested.

Veličine osnovnih modela / Standard Model Size:

Model:	AJ-3015	AJ-3020	AJ-4020	AJ-4060
Hod po X osi / X travel:	3000 mm	3000 mm	4000 mm	4000 mm
Hod po Y osi / Y travel:	1500 mm	2000 mm	2000 mm	6000 mm
Hod po Z osi / Z travel:	200 mm			
Spoljni gabariti / Outer dim:	4400 x 2770 x 1850 mm	4400 x 3770 x 1850 mm	5400 x 3770 x 1850 mm	5400 x 7770 x 1850 mm
Napajanje / Supply:		400V / 50HZ		
Težina / Weight:	1700 Kg	1850 Kg	2650 Kg	6450 Kg
Pogon X ose / X drive:		navojno vreteno / ball screw		
Pogon Y ose / Y drive:	vreteno / ball screw	vreteno / ball screw	vreteno / ball screw	letva / rack
Pogon Z ose / Z drive:		navojno vreteno / ball screw		
Tip pogona / Drive:		AC Servo		
Ponovljivost / Accuracy:		0.05 mm/m		
Tip pumpe / Pump type:	KMT Neoline 40HP - 3800 bar, Intensifier type			
Abraziv / Abrasive:	KMT Abraline, Feedline			

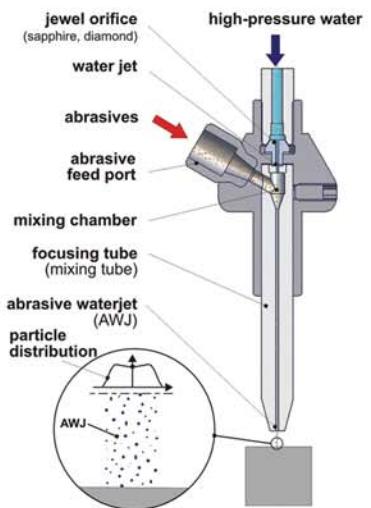
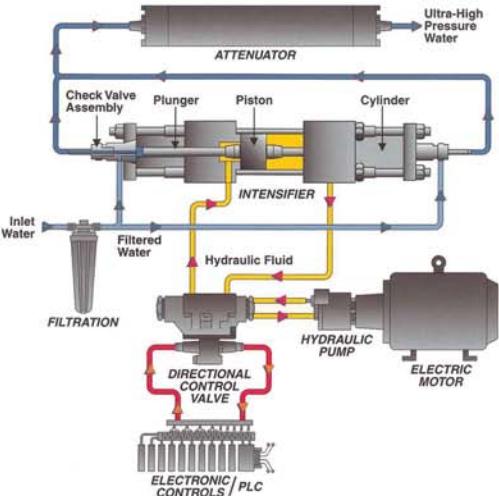
Opcije / Options:

- Daljinska komanda.
Remote pendant.
- Valjci za ulaganje materijala.
Loading rollers.
- Dve ili više glava.
Multihead assembly.
- Zakretna glava.
Tilting head.
- 3D rezanje u 5 osa.
5-axis head.
- Automatska kontrola visine.
Collision sensor with automatic height control.
- Bušilica za inicialni otvor.
Z-Axis drill.
- Sače za radni sto.
Waterjet brick table.
- Komora za brzu promenu nivoa vode.
Air chamber for underwater cutting.
- Orbitalno postolje.
Rotary axis.
- Sistem za filtraciju bazena.
Sludge removal unit.
- Laser za pronaalaženje ivice.
Laser finder.

Zašto se odlučiti za naš AquaJet? / Why AquaJet by Arpel Automation?

- KMT system visokog pritiska dokazanog kvaliteta.
State of the art UHP system by KMT.
- Pouzdan, efikasan sistem. Dug servisni interval.
Reliable, efficient, low downtime.
- Preko 20 godina inženjerskog iskustva.
More than 20 years of engineering experience.
- Servis i podrška na lokalnom nivou, rezervni delovi na stanju.
Local 24x7 service & support, spares on stock.
- Puštanje u rad za manje od 48h po isporuci.
Installation and run in less than 48h upon delivery.
- Pristupačna cena, niski operativni troškovi.
Affordable initial investment, lower operational costs.

Tehnologija visokog pritiska / UHP System technology



Primeri - Primena / Cutting examples - Applications

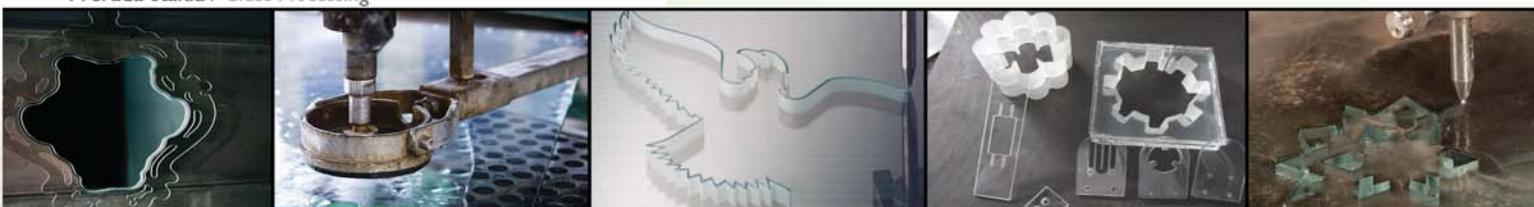
Kamenorezačka industrija / Stone Working Industry



Metalna industrija / Metal Working Industry



Prerada stakla / Glass Processing



Prehrambena industrija / Food Industry



WATERJET machine



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