



K drveniu materiálu v nožovom mlyne dochádza na priamkovom ostrí pracovných nástrojov, ktoré sa nachádzajú na rotore a statore stroja. Na definovanie veľkosti požadovanej frakcie výstupu z drviaceho zariadenia slúži sito pod obežnou dráhou rotora.

Otvory sita môžu mať priemer 8, 10, 12 alebo 15 mm, podľa špecifikácie zákazníka.

Tento konštrukčný typ drviča umožňuje drviť širokú škálu materiálov. Patria sem plasty, guma, káble, koža, kosti a rohovina. Osvedčil sa aj pri drvení dreva, lesnej štiepky, slamy a papiera.

Company Ing. Častulík, Ltd. acts at the market of recycling technologies and waste processing technologies since 1994. The first shredder introducing the company's own design was developed and manufactured in 1999. Since that time the company has manufactured and installed more than 300 shredders. Products of the company reliably work in Slovakia, Czech republic, Poland, Portugal, Spain, Germany, Finland, Sweden, Bulgaria, Russia and in Ukraine. All new shredders bear a CE mark.



MN300

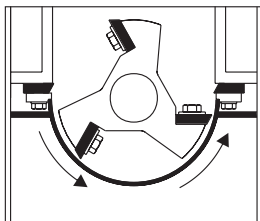
Nožový mlyn Granulator

The material is ground in the granulator on the linear cutting edge of working tools, which are located on the machine rotor and stator. A mesh screen situated under the rotor plane is used to determine the required dimension of the grinding equipment's output. The screen meshes may have a diameter of 8, 10, 12, or 15 mm, depending on the customer's specifications.

This constructional type of shredder may be used for wide scale of materials, that includes plastic waste, rubber, cables, leather, bones and ceratin. Shredder acquits well also with wood, wood chip, straw and paper.



Priemer rotora / Rotor diameter (mm)	300
Dĺžka nožov / Length of knives (mm)	400
Počet nožov statora/rotora / Number of knives stator/rotor	2/3-5
Frekvencia otáčania rotora / Frequency of rotation of the rotor (1/min)	900
Príkion elektromotora / Input of electromotor (kW)	7,5 - 15 - 22
Výkon zariadenia / Power of the device (kg/h)	do / up to 600
Hmotnosť stroja / Weight of the device (kg)	800
Rozmery vstupného otvoru / Dimensions of the input opening (mm)	385x360
Pripojenie pneumatickej dopravy / Pneumatic conveyor connection	ø150



Pracovné nástroje na statore tvoria dva ploché nože, na unášačoch rotora sú upevnené tri takéto nože.

The working tools on the stator are made up of two flat knives, three such knives are fixed to the rotor carriers



Nože na rotore a v statore drviacej komory sú vzájomne šikmo uložené čo vytvára nožnicový efekt

The rotor and stator knives are mutually inclined and that results as a scissor effect



Výsypka na pripojenie pneumatickej dopravy

Output hopper allows to connect the pneumatic conveyor



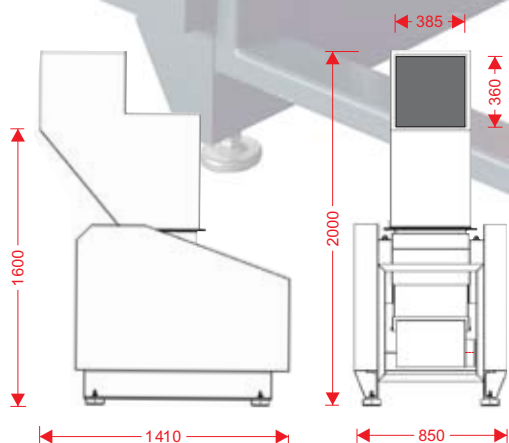
Zotrvačník na rotore mlyna plní funkciu akumulátora mechanickej energie a zvyšuje účinnosť stroja

Flywheel saves electric energy, increases shredding efficiency



MN300

Nožový mlyn Granulator



Výstupom z mlyna je drvina s veľkosťou zrna definovanou otvormi vo výmennom site pod drviacou komorou

Output is shredded material with grain size defined by the holes in removable screen under the shredding chamber



Plášť násypky je protihlukovo izolovaný (sendvičová stena s minerálnou vlnou), čo znižuje hlučnosť v okolí stroja emitovanú procesom mletia

Infeed hopper is soundproof isolated (sandwich wall with mineral wave), that reduces noise emitted by shredding process



Násypka s núteným vertikálnym pohybom uľahčuje drvenie ľahkých predmetov a predmetov, ktorých tvar komplikuje ich vstup medzi nože mlyna

Infeed hopper with forced vertical motion enables shredding of light articles and articles with a shape which complicates their input between cutting edge of the knives

