

<b>Modular range of machine tool holders</b>				
The objective of the project is an improvement of the process of tools exchange of machine tools. The research and development is focused to tool magazines, drafts of their optimized concept and construction variants with the primary aim to increase its speed and reliability and thus improve whole technology of exchange of machine tools. As a part of the realisation there will be proposed a conceptual solution for three types of magazines (drum, chain and meander) with two construction variants for standard size instruments for each.				
Code	FV20241			
State providing funder	Ministry of Industry and Trade of The CR <a href="https://www.mpo.cz/en/">https://www.mpo.cz/en/</a>			
Programme	FV – TRIO (2016-2022)			
Total eligible costs	11 953 000 CZK			
Total project subsidy	8 059 000 CZK			
Subsidy FME TUL	1 900 000 CZK			
TUL project number	17782			
Contractor	VÚTS a.s. <a href="https://www.vuts.cz/vuts-2.html">https://www.vuts.cz/vuts-2.html</a>			
Project participant	TUL, Faculty of Mechanical Engineering			
Principal investigator TUL	doc. Ing. David Cirkl, Ph.D.			
Department	Department of Applied Mechanics <a href="http://www.fs.tul.cz/en/mechanics/mechanics-of-solid-phase/research-and-innovations/">http://www.fs.tul.cz/en/mechanics/mechanics-of-solid-phase/research-and-innovations/</a>			
Period	2017-2019			
<a href="https://www.rvvi.cz/cep?s=rozsirene-vyhledavani&amp;ss=detail&amp;n=0&amp;h=FV20241">https://www.rvvi.cz/cep?s=rozsirene-vyhledavani&amp;ss=detail&amp;n=0&amp;h=FV20241</a>				
<b>Costs (year) TUL</b>	2017	2018	2019	Total
Non-investment (CZK)	700 000	750 000	450 000	1 900 000
Investment (CZK)	0	0	0	0
<b>Total (CZK) TUL</b>	700 000	750 000	450 000	1 900 000
<b>Project results EN</b>				
2018		<a href="#">RIV/46709002: /18:N0000163 - Bubnový zásobník nástrojů obráběcích strojů - ATD 35 60 (2018)</a>		
2018		<a href="#">RIV/46709002: /18:N0000163 - Bubnový zásobník nástrojů obráběcích strojů - ATD 35 60 (2018)</a>		
2018		<a href="#">RIV/46709002: /18:N0000164 - Řetězový zásobník nástrojů obráběcích strojů ATM 35-60 (2018)</a>		
2018		<a href="#">RIV/46709002: /18:N0000164 - Řetězový zásobník nástrojů obráběcích strojů ATM 35-60 (2018)</a>		