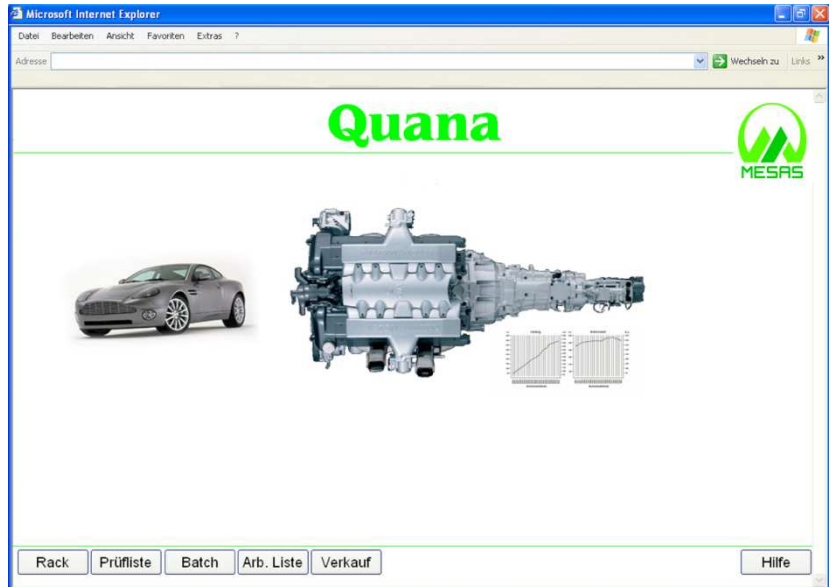


MESAS Quana Manufacturing Execution System

As an integrating link between commercial ERP systems and the control instruments of the shop floor, **Manufacturing Execution Systems (MES)** provide the information base for interaction of business processes. Customized and well structured MES solutions optimize production due to improved realization of production planning targets and faster response to production events.

Due to the use of web based applications up to date production data can be accessed from anywhere in the network.



Example: Welcome screen of the web-interface

Real-time monitoring / Batch traceability

The check list / batch shows an online up to date state of processing for each part.

NR	OP010	OP020	OP040	OP050	OP130	OP180	OP190	OP200
12670	IO			IO				
12690						IO	IO	
12691					IO			
12704					IO	IO	IO	
12709	IO	IO		IO				
12713					IO			
12715						IO	IO	
12718	IO	IO		IO				IO
12726		IO		IO				
12728					IO			
12730						IO	IO	IO
12732	IO	IO						
12733					IO			
12734						??		
12738					IO			
12739	IO	IO		IO				IO

Serial number - List of operations

Traceability of assemblies and batches

In case of customer complaints, it is possible to show up all batches referring to a batch no. / serial no. as well as the characteristics measured.

For each part / characteristic there is a link to the corresponding tool.

This link allows to identify any potentially faulty part in case of a tool malfunction.

Merkmal Übersicht

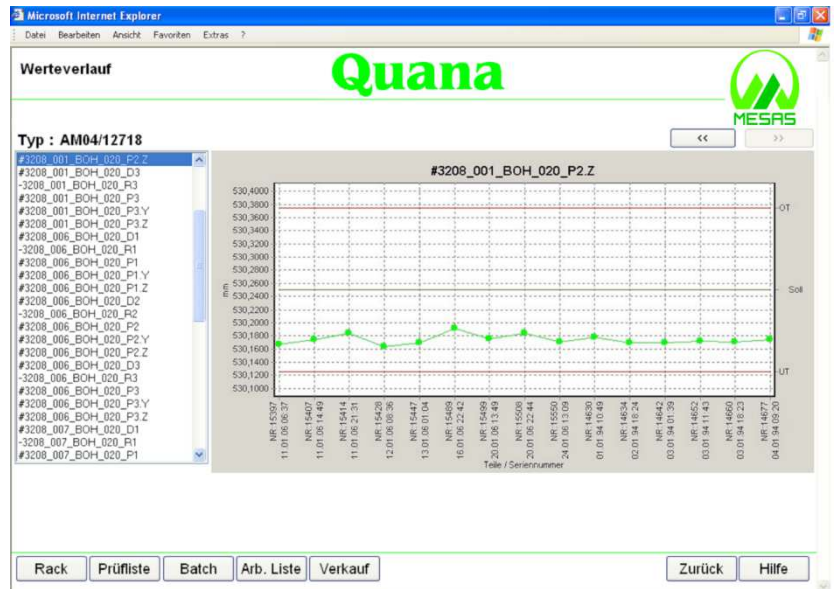
Teil : AM04/12718

0000	0491	1109	3207	012_BOH_020_P1	0,0000	0,1020	0,0000	0,102	0,4500
1111	1112	1119	3207	012_BOH_020_P1.Y	-161,4760	-161,5255	-0,2250	-0,0495	0,2250
1120	1301	1502	3208	012_BOH_020_P1.Z	-1,2600	-1,2622	-0,2250	-0,0122	0,2250
1503	1504	1521	3208	012_BOH_020_D1	93,7400	93,7481	-0,0200	0,0081	0,0200
1602	1702	2526	3208	012_BOH_020_R1	0,0000	0,0099	0,0000	0,0099	0,0250
2527	2528	2529	3208	012_BOH_020_P1	0,0000	0,0668	0,0000	0,0668	0,2500
2530	2536	2537	3208	012_BOH_020_P1.Y	-161,4760	-161,4917	-0,1250	-0,0157	0,1250
2547	2548	2549	3208	012_BOH_020_P1.Z	-1,2600	-1,2794	-0,1250	-0,0294	0,1250
2552	2590	2605	3208	012_BOH_020_D2	93,7400	93,7465	-0,0200	0,0065	0,0200
2606	2701	2702	3208	012_BOH_020_R2	0,0000	0,0057	0,0000	0,0057	0,0250
			3208	012_BOH_020_P2	0,0000	0,0647	0,0000	0,0647	0,2500
			3208	012_BOH_020_P2.Y	-161,4760	-161,4947	-0,1250	-0,0187	0,1250
			3208	012_BOH_020_P2.Z	-1,2600	-1,2764	-0,1250	-0,0264	0,1250
			3208	012_BOH_020_D3	93,7400	93,7438	-0,0200	0,0038	0,0200
			3208	012_BOH_020_R3	0,0000	0,0059	0,0000	0,0059	0,0250
			3208	012_BOH_020_P3	0,0000	0,0796	0,0000	0,0796	0,2500
			3208	012_BOH_020_P3.Y	-161,4760	-161,5068	-0,1250	-0,0308	0,1250
			3208	012_BOH_020_P3.Z	-1,2600	-1,2753	-0,1250	-0,0253	0,1250
			1119	914_FL_A_020_X1	-233,7490	-233,6996	-23,3749	0,0494	23,3749
			1119	908_FL_A_020_X1	-233,7490	-233,7327	-23,3749	0,0163	23,3749
			1119	914_FL_A_020_X1	-233,7490	-233,7175	-23,3749	0,0315	23,3749

Characteristics with link to production tool and workstation.

For each individual characteristic charts can be displayed on the screen and reports can be printed out for documentation.

All data can be exported to qs-Stat for additional statistical evaluation.



Graphical display of the batch values.