

ภาคผนวก ข.
ตารางวิเคราะห์ข้อมูล

ตารางที่ ข.1 แสดงผลการวิเคราะห์ANOVAของค่าตัวแปรที่มีอิทธิพลต่อความเรียบผิวงานกัด (μm)

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
DEEP	1.000	.25	54
	2.000	.5	54
	3.000	.75	54
CUTTIN G	1.00	100	54
	2.00	150	54
	3.00	200	54
FEED	1.000	.15	54
	2.000	.2	54
	3.000	.25	54

Tests of Between-Subjects Effects

Dependent Variable: RA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2.971(a)	26	.114	2.975	.000
Intercept	66.287	1	66.287	1725.824	.000
DEEP	.121	2	.060	1.571	.212
CUTTING	.625	2	.313	8.142	.000
FEED	1.207	2	.603	15.707	.000
DEEP * CUTTING	.546	4	.136	3.551	.009
DEEP * FEED	.008	4	.002	.054	.994
CUTTING * FEED	.297	4	.074	1.930	.109
DEEP * CUTTING * FEED	.168	8	.021	.546	.820
Error	5.185	135	.038		
Total	74.444	162			
Corrected Total	8.156	161			

a R Squared = .364 (Adjusted R Squared = .242)

Post Hoc Tests**DEEP****Multiple Comparisons**

Dependent Variable: RA

LSD

(I) DEEP	(J) DEEP	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
.25	.5	-.00707	.037717	.852	-.08167	.06752
	.75	-.06111	.037717	.108	-.13570	.01348
.5	.25	.00707	.037717	.852	-.06752	.08167
	.75	-.05404	.037717	.154	-.12863	.02056
.75	.25	.06111	.037717	.108	-.01348	.13570
	.5	.05404	.037717	.154	-.02056	.12863

Based on observed means.

CUTTING**Multiple Comparisons**

Dependent Variable: RA

LSD

(I) CUTTING	(J) CUTTING	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
100	150	-.11746(*)	.037717	.002	-.19206	-.04287
	200	-.14256(*)	.037717	.000	-.21715	-.06796
150	100	.11746(*)	.037717	.002	.04287	.19206
	200	-.02509	.037717	.507	-.09968	.04950
200	100	.14256(*)	.037717	.000	.06796	.21715
	150	.02509	.037717	.507	-.04950	.09968

Based on observed means.

* The mean difference is significant at the .05 level.

FEED**Multiple Comparisons**

Dependent Variable: RA

LSD

(I) FEED	(J) FEED	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
.15	.2	-.10752(*)	.037717	.005	-.18211	-.03293
	.25	-.21139(*)	.037717	.000	-.28598	-.13680
.2	.15	.10752(*)	.037717	.005	.03293	.18211
	.25	-.10387(*)	.037717	.007	-.17846	-.02928
.25	.15	.21139(*)	.037717	.000	.13680	.28598
	.2	.10387(*)	.037717	.007	.02928	.17846

Based on observed means.

* The mean difference is significant at the .05 level.

Regression ของอัตราป้อนและความเร็วตัด**Variables Entered/Removed(b)**

Model	Variables Entered	Variables Removed	Method
1	FEED CUTTING(a)	.	Enter

a All requested variables entered.

b Dependent Variable: RA

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.464(a)	.215	.205	.200643

a Predictors: (Constant), FEED, CUTTING

ANOVA(b)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.755	2	.878	21.800	.000(a)
	Residual	6.401	159	.040		
	Total	8.156	161			

a Predictors: (Constant), FEED, CUTTING

b Dependent Variable: RA

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.286	.057		5.027	.000
	CUTTING	.071	.019	.259	3.692	.000
	FEED	.106	.019	.385	5.474	.000

a Dependent Variable: RA